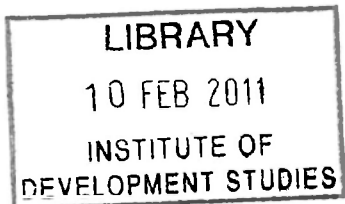


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AN ANALYSIS OF THE INFORMATION ON INTER-DISTRICT  
MIGRATION PROVIDED IN THE 1969 KENYA CENSUS

By

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ABSTRACT

The primary intent of this paper is to make available to others an extensive set of calculations based on the information on inter-district movement provided in the 1969 Census. The calculations indicate the extent of inter-district migration and the nature of the various migration flows. The analysis is limited to using the available information on sex-ratios, age distribution and education completed to make some general observations on the likely types of migration involved.

This analysis of the birthplace data provided in the 1969 Census was to serve as input for some additional work on internal migration and to provide a starting point for a study of the regional structure of earnings and employment. Since such analysis of the Census data involves extensive calculations and since there appeared to be some interest on the part of others in using the results, they have been written up here so that others need not repeat the same calculations. Because of the great diversity in the demographic and economic conditions within some of the Provinces, the calculations were carried out at the district level. In addition to considering the extent and the direction of internal migration, the available information on sex-ratios, age distribution and education are analyzed to determine, to the extent possible, the type of people who migrate.

#### The Determinants of the Regional Distribution of Population

The existing distribution of Kenya's population among the 41 districts<sup>1</sup> is a function of three basic forces over a long period of time. The first two forces are the differences among districts in the rates of fertility and mortality. These two forces are not independent of each other since a change in either affects the age distribution of the population which, in turn, affects the rate of growth of the population. The third force is the net inter-district movement of the population.

Kenya can be characterized as having a high birth rate low death rate population pattern.<sup>2</sup> The average annual rate of population growth of 3.6 per cent for Kenya Africans between the 1962 and the 1969 Census indicates Kenya has achieved the doubling time of 20 years which characterizes this population type. This rapid rate of population increase, generated in large part by a decline in infant mortality, has produced an age structure where 48 per cent of the population is less than 15 years of age (see Table 1). This is significantly higher than 24

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1 For the purpose of analysis Nairobi Province is considered as District.

2 This typology on population patterns is developed in the National Academy of Sciences study of rapid population growth (6, Vol.I, pp. 11 and 12).



Table 1: The Age Structure of Kenya's Population (Percent)

Age	Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere In Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	9.67	9.56	8.55	8.46	0.26	0.26	0.77	0.76	0.05	0.05
5-8	8.35	8.09	7.23	6.97	0.28	0.28	0.75	0.75	0.06	0.06
10-14	6.55	6.14	5.65	5.29	0.24	0.22	0.59	0.57	0.04	0.04
15-19	5.13	4.98	4.13	4.00	0.27	0.27	0.66	0.63	0.05	0.05
20-24	3.93	4.13	2.69	3.11	0.26	0.28	0.90	0.66	0.06	0.06
25-29	3.17	3.74	2.01	2.83	0.26	0.26	0.79	0.54	0.08	0.08
30-34	2.58	2.74	1.65	2.15	0.19	0.18	0.64	0.33	0.08	0.07
35-39	2.29	2.39	1.50	1.89	0.18	0.16	0.53	0.27	0.08	0.06
40-49	3.33	3.34	2.30	2.70	0.23	0.22	0.66	0.33	0.12	0.08
50-59	2.21	2.27	1.69	1.82	0.15	0.14	0.34	0.18	0.09	0.06
60-69	1.63	1.44	1.31	1.20	0.10	0.10	0.16	0.11	0.06	0.03
70+	1.21	1.15	1.02	0.95	0.07	0.08	0.09	0.10	0.03	0.02
Total	50.10	49.90	39.71	41.35	2.48	2.44	6.89	5.24	0.79	0.66

(n=10,863,949)

per cent under the age of 15 for Europe in 1965 and 31 per cent for the United States in the same year. (6, Vol.II, p. 653).

This high proportion of the population at a pre-productive age carries several important implications for the future of the economy. First, only some 35 to 40 per cent of the population are of a productive age. Not only does a minority need to provide for the consumption needs of a majority, an increasing amount of even a rapidly growing Gross National Product must be devoted to human capital development to merely maintain the average quality of human capital. Second, the high proportion of females approaching child-bearing age will cause a substantial population increase even with dramatic reductions in the fertility rate. One estimate, based on a fifty per cent decline in the average fertility rate between 1970 and 1984, still places the population growth at three times the 1969 level within 50 years (3, p.6). Third, in the next twenty years the need for economic opportunities will need to increase between 50 and 100 per cent, depending on the labour force participation rates, to keep unemployment at its present level.

In areas where available resources cannot sustain such a population increase some people are forced to move elsewhere to subsist. To the extent that people aspire to more than subsistence living they will gravitate from the areas that are poor in resources and have limited market opportunities to those parts of Kenya where employment and other earnings opportunities are greatest. Further reference to Table 1 indicates that of the population 15 years and older just under 8 per cent of the males and a little more than 5 per cent of the females were enumerated in a district other than their place of birth. Although the causes of such internal movement are too diverse to be determined from demographic data alone, the intent here is to shed as much light from the Census data as possible on the nature and extent of this movement. The question of who migrates cannot be separated from the reasons why these people migrated. Therefore, the limited analysis in this paper will be followed by a multivariate analysis of the movement into the eleven largest towns and by a study of inter-district, including rural-to-urban, movement of labour.

Census data are limited to birthplace, sex, age and education information, so the method of analysis is to specify the probable effects of different types of migration on the latter three types of variables.

(a) Differences among districts in the extent of the decline in the mortality rates will be reflected in the age structure of the districts. The larger the decline in mortality rates the larger the proportion of the population less than fifteen years of age. An increase in fertility rates would have a similar effect on the age structure of the population. A decline in the fertility rate would have an opposite effect.

(b) If inter-district movement is of a permanent nature the age of the migrants is likely to be older, above 30 years and likely over 40, and the movement will involve both males and females (5, p.8). Therefore, sending areas will have below average numbers of males and females in the 30 to 50 age category while the receiving areas will have above average numbers.

(c) If inter-district movement is primarily for the purpose of obtaining employment (in either rural or urban areas) without necessarily an intent to settle permanently outside one's district of birth then the age of the migrant will likely be lower, in the 20's,<sup>3</sup> and more males will migrate than females. Here we see young adults, especially males, attempting to establish themselves by earning some cash income which need not involve a permanent re-location. The young adults may adopt their new home permanently, or at least until retirement age, but strong ties with the home area will be maintained with frequent return visits to maintain their positions within the clan. Therefore, sending areas will reflect female dominance, especially between 20 and 40 years, while the receiving areas will reflect male dominance in this age category.

(d) All districts reflect movement in both directions. The return movement from a predominantly receiving area to a predominantly sending area of persons born in the former implies the presence of females of child-bearing age who participated in the dominant migration flow. Such return flows could take several possible forms:

(i) Women have come for medical care during child births only, so the birthplace data does not reflect actual migration. Such return flows would be from areas with above average quality and availability of medical facilities.

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<sup>3</sup> In our 1968 survey of migration into eight major urban centres in Kenya the median age of the men at the time of migration was between 22 and 23 years.

(ii) Children are being returned to the original home districts of the parents for child care and education. Such movement would be reflected in the age structure of the original home area, with an above average portion of children born outside the district of enumeration.

(iii) People born in one area are retiring to another district, likely the area of one's clan. This type of movement might occur from urban to rural areas, but the length of urban existence in Kenya is too limited for this phenomenon to exist at significant levels.

(iv) During the Emergency of the 1950's some people, primarily from Nairobi and Rift Valley Provinces, were forced back to native Reserves, primarily in Central Province. If these people have not returned since the Emergency they will appear in the Census as inter-district migration. In the 1969 Census such movement would be limited primarily to the 15 years and older age category.

(e) Because employment in urban centres tends to provide a premium for education above that available in rural areas, the more educated tend to gravitate to the urban centres. Therefore, the education levels of the population, especially for 20 years and older, will be above average in the two cities and in the districts which have larger towns within their borders.

A major difficulty in using the age structure of the population in each district as a basis of analysis<sup>61</sup> inter-district movement is that it cannot be determined when the move took place. To the extent that any one type of movement is a growing phenomenon (versus a one time event only) the impact of the movement on the age structure will be most noticeable at the age when the migration occur with a tapering-off effect in the subsequent age cohorts. To the extent that the Census indicates children are moving it is evident that parents with children have moved recently or children are being sent from one set of family members to other family members.

#### The Data

All calculations in this paper are based on 1969 Census data. The tables reporting population movement and age distribution were calculated from unpublished data made available by the Central Bureau of Statistics. The education tables are based on Table 1 in Volume III of the published Census report. The Province totals for all tables represent the sum of

districts in the Province as well as inter-provincial movement.<sup>4</sup> In both the age distribution and the education tables the percentages for the total columns and the percentages for all the other columns are each based on total population in the district so the sum of the respective column totals in both cases should add to 100 (subject to rounding errors). For these tables a standard deviation from the mean was calculated for each table cell across the 40 districts plus Nairobi.<sup>5</sup> The mean used was the value for that cell in the distribution of Kenya's total population. The "+" sign in front of a number indicates the particular cell value is above the Kenya average for that cell. The "\*" after a cell value indicates the number of standard deviations from the Kenya average. In cases where the number of standard deviations exceeded two a number was placed after one "\*" to indicate the number of standard deviations.

The use of the Census data is not without difficulty. In addition to the normal reservations about the accuracy of census taking there are several explicit problems. First, there appears to have been a tendency for the age of teen-age girls to be over-stated (and/or the age of teen-age boys to be understated) so the Census publications contain the following caution:

"However, it is apparent that the dividing line was not always accurately observed. It is particularly probable that girls in fact aged under 16 years may frequently have been shown as adults. This is suggested by Table III in which the numbers of women between 20 and 39 years is significantly larger than the numbers of males in the same age group. For the years 10 to 19, however, the figures suggest a tendency in the opposite direction. For this reason, the figures shown should not be regarded as an accurate representation of the age distribution of the population (4, Vol. I, p i).

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<sup>4</sup> For in-migration calculations the provincial total may exceed the sum of the districts because some people provided a Province of birth rather than a district.

<sup>5</sup> For the purpose of calculations throughout this paper Nairobi Province was treated as a district. The age and population movement distribution for Kenya is Table 1. The table of standard deviations is provided in Appendix A. The education distribution for Kenya and the corresponding table of standard deviations is included in Appendix B.

Further, in the education tables the "not stated" number has been lumped together with those reported with "none" education which makes it difficult to determine the proportion of the population in each district without any formal education. If we could assume the proportion of the total population in each district involved in the "not stated" for education and false statement for age is equal, then the analysis need not be affected adversely. For the age distributions and the population movement tables the "not stated" were excluded from all calculations. For population movement this involved only 0.8 per cent of the total population although the effect was larger in some districts, especially in North-Eastern Province.

#### The Extent of the Internal Migration

The Census data reports for each district and for the nine largest towns the district of birth for males and females. For each district the sum of the people born outside of the district is a measure of in-migration. By summing across all 41 districts it is possible to determine the extent of out-migration from each district. The results of these two sets of calculations are provided in Table 2.

These calculations indicate the population movements observed in 1969 are similar to those reported in the 1962 Census.<sup>6</sup> Rift Valley, Nairobi and Coast Provinces are the dominant receiving areas although the provincial totals for Rift Valley and Coast Provinces reflect considerable internal movement. At the district level Nakuru, Mombasa, Uasin Gishu, Kiambu and Nyandarua, plus Nairobi, account for the median number of male in-migrants. For females South Nyanza needs to be added to list to provide the median number. As a percentage of enumerated population in the district the list of important receiving districts remains similar except Laikipia features prominently as well.

With reference to the source of internal migration the dominance of Nairobi for both males and females is difficult to explain. The median number of all males come <sup>from</sup> six districts - Nairobi, Muranga, Kakamega, Kiambu, Nyeri and Machakos - while the median number of females come from the first five of these districts. The extent of out-migration as a proportion of enumerated population changes the composition of the districts

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6. For analysis of population movement reported in the 1962 Census see (7, pp.122-35).

Table 2. A Summary of Population Movement in Kenya

District	Born Outside of District of Enumeration		In-Migration as a percent of Total Population		Enumerated Outside of District of Birth		Out-Migration as a percent of Population Born in the District		Net Internal Movement			Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total		
Western	210,622	119,781	70.0	58.6	148,807	154,713	62.2	64.7	61,815	-34,992	26,823	27,694	24,332
Central	161,749	150,577	20.1	18.6	270,942	231,518	30.0	24.8	-109,193	-71,941	-181,134	2,961	2,750
Eastern	49,759	43,897	21.2	18.3	82,007	77,847	30.7	28.4	-32,248	-33,950	-66,198	2,167	1,971
Kenya	20,934	21,408	20.2	19.4	10,983	6,682	11.7	7.0	9,951	14,726	24,677	42	60
Kenya	15,851	18,821	7.6	8.0	97,030	74,377	33.6	25.6	-81,179	-55,556	-131,105	162	135
Kenya	47,700	47,654	54.0	53.9	8,830	8,915	17.9	18.0	38,870	38,739	77,609	106	130
Kenya	27,505	27,797	16.2	14.9	69,701	60,653	32.9	27.6	-42,196	-32,855	-74,252	484	454
Kenya	137,413	99,025	29.0	21.8	62,944	45,950	15.7	11.5	74,469	53,075	127,544	24,230	17,188
Kenya	25,172	24,522	17.4	15.3	18,968	10,233	13.7	7.1	6,204	14,289	20,493	2,420	1,862
Kenya	17,426	16,039	17.3	15.7	9,899	6,950	10.6	7.4	7,527	9,089	16,616	1,880	1,128
Kenya	81,881	54,2	8.0	4.8	8,314	9,454	44.9	46.7	-7,433	-8,912	-16,345	116	21
Kenya	80,331	46,704	56.0	45.3	10,942	9,114	14.8	13.9	69,368	37,590	106,958	16,815	11,951
Kenya	9,471	7,563	18.6	14.1	11,762	7,735	22.0	14.3	-2,291	-172	-2,463	2,910	2,101
Kenya	4,153	3,555	17.6	15.6	1,900	1,392	8.9	6.6	2,253	2,263	4,516	89	125
Kenya	37,088	30,035	4.0	3.1	124,859	70,681	12.4	6.9	-87,771	-40,646	-128,417	3,917	2,891
Kenya	5,910	5,469	7.0	5.6	10,219	6,680	11.5	7.2	-4,309	-1,511	-5,820	134	92
Kenya	4,063	4,592	26.5	18.1	2,034	1,996	15.3	14.6	2,029	596	2,625	188	161
Kenya	3,657	3,294	2.3	1.8	29,732	16,199	16.0	8.4	-26,075	-12,905	-38,980	176	99
Kenya	15,966	13,050	4.7	3.6	58,008	33,660	15.2	8.7	-42,042	-20,610	-62,652	934	679
Kenya	1,564	1,099	6.2	5.0	3,261	2,789	12.1	11.8	-1,697	-1,690	-3,387	2,124	1,510
Kenya	5,928	4,831	2.0	1.6	20,636	8,606	6.7	2.8	-14,708	-3,775	-18,483	361	350
Kenya	8,009	4,740	6.0	4.2	7,914	6,196	5.9	5.5	95	-1,456	-1,361	949	652
Kenya	1,599	803	4.6	2.7	1,631	1,155	4.7	3.8	-32	-352	-384	107	131
Kenya	1,298	511	2.5	1.2	2,404	2,087	4.5	4.7	-1,006	-1,576	-2,582	298	101
Kenya	5,112	3,426	10.9	8.7	2,268	1,778	5.1	4.7	2,844	1,648	4,492	544	420

Table 2 Contd

- 9 -

District	Born Outside of District of Enumeration		In-Migration as a percent of Total Population		Enumerated Outside of District of Birth		Out-Migration as a percent of Population Born in the District		Net Internal Movement			Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total	Male	Female
Nyanza	111,807	122,654	10.7	11.5	140,205	110,906	13.1	10.5	-28,398	11,653	-16,740	7,895	7,608
-Kisumu	35,548	34,735	10.5	10.3	24,419	15,323	7.5	4.8	11,129	19,412	30,541	353	304
-Kisumu	26,128	25,016	12.9	12.8	55,274	49,083	23.8	22.6	-29,146	-24,967	-54,113	2,968	2,597
-Siaya	12,600	19,542	7.2	9.4	34,057	26,945	17.3	12.6	-21,457	-7,403	-28,860	2,845	3,150
-S. Nyanza	37,531	43,361	11.5	13.0	21,601	15,278	7.0	5.0	15,930	28,083	44,013	1,729	4,557
Rift Valley	315,139	256,798	28.1	24.3	135,557	120,848	14.4	13.1	179,582	135,950	315,532	14,012	10,712
-Baringo	3,565	2,193	4.4	2.7	8,068	6,467	9.5	7.6	-4,503	-4,274	-8,777	144	59
-E. Marakwet	3,489	2,614	4.3	3.4	12,976	11,116	14.3	12.9	-9,487	-8,502	-17,989	40	19
-Kajiado	10,315	8,404	23.5	20.1	1,992	1,655	5.6	4.7	8,323	6,749	15,072	1,180	801
-Kericho	40,846	25,728	16.7	11.2	20,652	14,509	9.2	6.7	20,212	11,129	31,341	2,509	947
-Laikipia	22,611	18,112	65.1	58.0	7,622	6,977	33.6	34.7	14,989	11,135	24,229	409	686
-Makuru	83,963	69,175	54.8	50.8	25,203	26,189	26.7	28.1	58,760	42,986	101,746	2,680	2,170
-Mandi	22,625	18,462	21.4	18.3	19,310	20,038	18.9	19.5	3,315	-1,576	1,739	356	335
-Narok	17,790	17,534	28.7	27.7	5,543	4,607	11.2	9.2	12,247	12,927	25,174	124	72
-Samburu	2,304	1,508	7.1	4.9	3,108	1,824	9.4	5.8	-804	-316	-1,120	131	15
-T. Wozia	34,359	31,278	52.8	52.7	4,787	4,410	13.5	13.6	29,572	26,868	56,440	2,453	2,563
-Turkana	10,895	5,793	13.6	8.1	13,122	10,009	11.2	13.2	-2,227	-4,216	-6,443	1,622	1,036
-U. Gishu	59,197	52,942	59.8	58.2	6,226	6,046	13.5	13.7	52,971	46,896	99,867	2,089	1,597
-W. Pokot	3,162	3,055	7.8	7.3	3,028	2,585	7.5	6.2	134	470	604	275	412
Western	33,181	41,468	5.2	6.0	123,780	93,116	16.9	12.6	-90,599	-51,648	-142,247	4,896	6,005
-Bungoma	14,317	15,450	8.4	8.8	15,238	14,233	8.9	8.2	-921	1,217	296	1,632	2,310
-Busia	7,603	10,000	8.1	9.5	13,732	13,079	13.7	12.1	-6,129	-3,079	-9,208	781	1,507
-Kakamega	11,261	16,018	3.0	3.9	93,454	64,752	20.4	14.3	-82,193	-48,734	-130,927	2,483	2,188
Total	1,015,008	834,078	18.7	15.4	1,015,008	834,078	18.7	15.4				86,554	72,138



somewhat with Lamu rising to the top just below Nairobi, while Machakos and Kakamega decline in importance.

By combining the two opposite flows to obtain net internal population movement we observe the importance of Mombasa, Nakuru, Uasin Gishu, Nyandarua, and Trans Nzoia as receiving districts and Muranga, Kakamega, Nyeri, Kiambu and Machakos as sending districts. For males Nairobi is well down in importance because of its role as both a sending and a receiving area.

Of the 1.5 per cent of the total population born outside of Kenya 55 per cent is male and just over half was enumerated in the two major urban centers Nairobi and Mombasa. The remainder are spread out over a number of different districts.

The picture of the extent and the direction of internal population movement raises several questions. Who are the people moving out of Nairobi and what is their destination? What is the role of the major towns in determining in-migration to the districts in which these towns are located? This question is especially relevant for Kiambu district which is both an important sending and receiving area. What is the origin and what type of people are involved in the movement into Nyanza Province, especially the densely populated Kisii District? Answers for these and other questions will be sought in the subsequent section where each Province is considered separately.

#### The Nature of the Internal Population Movement

##### 1. Nairobi

As indicated in Table 3, Central Province accounts for 40 per cent of the migrants to Nairobi. The balance are divided rather evenly between Eastern, Western and Nyanza Provinces. Further consideration at the district level (see Appendix C), indicates the importance of Muranga, Kakamega, Machakos, Kiambu, Nyeri, Kisumu and Siaya Districts as the origin of the migrants. The origin of the females is quite similar although Muranga and Machakos decline slightly in importance while Kiambu increases in importance.

The pattern of out-migration differs considerably from that of in-migration. Now Central Province declines to less than a quarter of the total while Nyanza rises to 39 per cent and Coast and Rift Valley Provinces increase considerably in importance. The similarity between the number of

males and females involved (148,807 and 154,773 respectively) and in the percentages for each of the destinations indicates this movement is not a simple return of some of the in-migration since there the ratio of males to females is almost two to one. This similarity of sex ratios prevails for the most important receiving districts - Kisii, South Nyanza, Nyeri, Kilifi, Uasin Gishu, Kiambu and Bungoma.

From Table 4 we note the proportion born in Nairobi is significantly below the national average at all age levels, but especially in the 0-9 age category, conversely, the extent of in-migration is significantly above the national average at all age levels, but especially from

Table 3: The Movement of Population to and from Nairobi (percent)

	P r o v i n c e s							
	Central	Coast	Eastern	North-Eastern	Nyanza	Rift Valley	Western	Total
In-migration								
-Male	39.3	2.4	21.3	0.3	15.8	4.3	16.6	100.0
-Female	41.3	3.1	16.4	0.3	17.2	5.0	16.7	100.0
-Total	40.0	2.7	19.5	0.3	16.3	4.6	16.6	100.0
Out-migration								
-Male	23.6	14.6	1.2	..	40.4	10.9	9.3	100.0
-Female	23.8	16.0	1.3	..	37.8	10.3	10.8	100.0
-Total	23.7	15.3	1.2	..	39.1	10.6	10.1	100.0

15 to 49 years for men and 10 to 34 years for women. The result is an age distribution concentrated between 20 and 49 years (20 to 29 for females) with significantly below average levels at both extremes of the age distribution. Since the lack of children in Nairobi cannot be attributed simply to the lack of children among the in-migrants, Nairobi is experiencing either a very low birth rate or a number of children below the age of 15 years who were born in Nairobi are being sent outside of Nairobi. This latter possibility will be checked carefully when the age distribution of the important migrant destinations for Nairobi out-migration are considered. The extent to which the in-migration of men between the ages of 20 and 69 exceeds that of females explains why the sex-ratio has remained at two males for every female in this age category.

Table 4: The Percentage Distribution of the Age of the Population Enumerated in Nairobi

Age	Total		Born in Nairobi		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female
0 - 4	7.68*	7.49*	4.46* <sup>3</sup>	4.35**	+2.97* <sup>3</sup>	+2.92* <sup>3</sup>	+0.25**	+0.23**
5 - 9	5.73*	5.75**	2.65* <sup>3</sup>	2.56* <sup>3</sup>	+2.86**	+2.91**	+0.29**	+0.28*
10 - 14	3.87**	4.13**	1.59**	1.54**	+2.04**	+2.34* <sup>3</sup>	+0.23**	+0.24**
15 - 19	4.86	4.93	1.05**	1.06**	+3.51* <sup>3</sup>	+3.58* <sup>4</sup>	+0.29*	+0.28**
20 - 24	+8.69* <sup>3</sup>	+5.60* <sup>3</sup>	0.71*	0.69**	+7.53* <sup>4</sup>	+4.42* <sup>3</sup>	+0.45* <sup>3</sup>	+0.19* <sup>3</sup>
25 - 29	+7.49* <sup>3</sup>	+4.12	0.51*	0.46**	+6.39* <sup>4</sup>	+3.06* <sup>3</sup>	+0.60* <sup>3</sup>	+0.60* <sup>3</sup>
30 - 34	+6.06* <sup>3</sup>	2.57	0.41*	0.33**	+5.02* <sup>4</sup>	+1.65* <sup>3</sup>	+0.63* <sup>3</sup>	+0.58* <sup>4</sup>
35 - 39	+5.09* <sup>3</sup>	1.85*	0.32*	0.26**	+4.17* <sup>4</sup>	+1.10**	+0.60* <sup>3</sup>	+0.48* <sup>3</sup>
40 - 49	+6.04* <sup>3</sup>	2.12**	0.36**	0.30**	+4.71* <sup>4</sup>	+1.05*	+0.97* <sup>3</sup>	+0.76* <sup>3</sup>
50 - 59	+2.61	1.06*	0.17**	0.17*	+1.77**	+0.41	+0.66**	+0.48* <sup>3</sup>
60 - 69	1.03*	0.54*	0.09*	0.10*	+0.60*	+0.21	+0.34**	+0.23**
70+	0.40*	0.31*	0.05*	0.06*	+0.22*	+0.13	+0.13*	+0.12*
Total	+59.54* <sup>3</sup>	40.46* <sup>3</sup>	12.37**	11.87**	+41.71* <sup>4</sup>	+23.80* <sup>3</sup>	+5.46* <sup>3</sup>	+4.79* <sup>3</sup>

(n = 507,497)

The Table on the distribution of education completed within several age cohorts indicates Nairobi has significantly fewer people, especially in the 0 - 14 age cohort, who do not have formal education. In part this may reflect below average numbers of "not stated". For

Table 5: The Percentage Distribution of the Level of Education Completed in Different Age Groups in Nairobi.

Education	A G E							
	Total		0 - 14		15 - 24		25 or Over	
	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	22.80*	21.25* <sup>3</sup>	11.91* <sup>3</sup>	12.28* <sup>3</sup>	1.41	2.55*	9.48	6.43**
St. 1-4	+9.05	+6.74	3.91	+3.78	1.17	+1.44	+3.97**	+1.52
St. 5-8	+16.58**	+7.67* <sup>3</sup>	+1.36*	+1.23* <sup>1</sup>	+5.90*	+4.04* <sup>3</sup>	+9.32* <sup>3</sup>	+2.40**
Form I, II	+4.08* <sup>3</sup>	+1.63* <sup>3</sup>	+0.09	+0.03*	+2.13* <sup>3</sup>	+0.98* <sup>3</sup>	+1.86* <sup>3</sup>	+0.58* <sup>4</sup>
Form III, IV	+4.99* <sup>4</sup>	+2.27* <sup>5</sup>	..	..	+2.51* <sup>4</sup>	+1.31* <sup>5</sup>	+2.48* <sup>8</sup>	+0.96* <sup>5</sup>
Form V+	+2.05* <sup>5</sup>	+0.90* <sup>5</sup>	..	..	+0.43* <sup>4</sup>	+0.22* <sup>3</sup>	+1.62* <sup>5</sup>	+0.68* <sup>5</sup>
Total	+59.54* <sup>3</sup>	40.46* <sup>3</sup>	17.27* <sup>3</sup>	17.37**	+13.55**	+10.53**	+28.72* <sup>3</sup>	12.57*

<sup>1</sup> These percentages include "not stated".

standards 1 to 4 Nairobi does not rank significantly above the Kenya average in terms of the proportion that has completed to this level only. The one exception is in males in the 25 years and/or older group. The agglomeration of human capital in Nairobi becomes most striking at the higher levels of secondary education. The above average ranking is especially notable for women since Nairobi has significantly fewer females than the Kenya average.

Therefore, the demographic characteristics of Nairobi reflect either a declining birth rate, extensive out-migration of children born there or some combination of these two. The age distribution of the in-migrants and the predominance of males in the migration flows are consistent with the job-seeking hypothesis. The proportion of the population 60 years and older is significantly lower than average indicating some people are retiring elsewhere although most of these likely were not born in Nairobi.

## 2. Central Province

Central Province plays a dominant role in inter-district movement. For males it is the source of 27 per cent of total out-migration and receives 16 per cent of all in-migrants. The comparable percentages for females are 28 and 19. Because of the large numbers involved, even the rather minor flows to and from districts in Central Province represent movement comparable in size to the important movements to and from other districts in some of the other Provinces.

The out-migration from Central Province is dominated by three districts, Muranga, Kiambu and Nyeri. In terms of total numbers the most important migration stream is internal to Central Province. This holds true for Nyeri and Muranga but not Kiambu, where movement to Rift Valley Province predominates. Within Central Province the most important flows are Muranga to Kiambu, Nyeri to Nyandarua, Muranga to Kirinyaga, Kiambu to Nyandarua, Muranga to Nyandarua, Kiambu to Muranga, Nyeri to Muranga (females), and Nyeri to Kiambu. Therefore much of the movement is rural-to-rural. Thika absorbs 23 per cent of the males and 31 per cent of the females who come from Nyeri. The impact of Kiambu's location next to Nairobi as a cause of in-migration to Kiambu District cannot be isolated from the Census data. In all of this rural-to-rural movement the sex-ratios are very similar and in several cases the number of females exceeds that of males. This would be consistent with movement of a more permanent re-settlement type, involving older, married people, possibly accompanied by children.

The second important out-migration stream from the districts of Central Provinces, especially for females, is to Rift Valley Province. This is the dominant out-flow from Kiambu District and the second most important out-flow from Nyeri District. For Muranga, movement to Rift Valley Province ranks well below movement within Central Province and to Nairobi. For all three districts the dominant destination, by a considerable

Table 6: The Movement of Population to and from the Districts of Central Province (percent)

	P r o v i n c e s								Total
	Nairobi	Central	Coast	Eastern	North- Eastern	Nyanza	Rift Valley	Western	
a. Kiambu									
In-migration									
-Male	20.1	34.2	0.8	10.3	0.2	5.9	23.2	5.3	100.0
-Female	23.3	35.3	0.6	5.5	0.2	3.6	28.6	2.9	100.0
-Total	21.6	34.7	0.7	8.1	0.2	4.8	25.7	4.2	100.0
Out-migration									
-Male	27.5	18.3	3.3	3.1	0.1	3.6	42.4	1.7	100.0
-Female	23.1	20.8	1.9	2.7	0.1	3.3	46.4	1.7	100.0
-Total	25.4	19.5	2.6	2.9	0.1	3.5	44.3	1.7	100.0
b. Kirinyaga									
In-migration									
-Male	1.3	88.0	1.2	6.4	..	0.3	2.1	0.7	100.0
-Female	1.0	92.8	0.7	2.9	..	0.3	2.0	0.3	100.0
-Total	1.2	90.4	1.0	4.6	..	0.3	2.0	0.5	100.0
Out-migration									
-Male	39.5	12.7	25.4	8.2	0.5	1.2	12.0	0.5	100.0
-Female	30.3	17.0	20.1	13.9	0.3	1.5	16.5	0.4	100.0
-Total	36.0	14.3	23.4	10.4	0.4	1.3	13.7	0.5	100.0
c. Muranga									
In-migration									
-Male	28.0	51.5	3.3	7.6	0.4	1.9	6.5	0.8	100.0
-Female	24.5	60.6	2.8	4.5	0.1	1.1	6.1	0.3	100.0
-Total	26.1	56.5	3.0	5.9	0.2	1.5	6.3	0.5	100.0
Out-migration									
-Male	37.7	37.6	2.7	2.8	0.1	0.4	18.1	0.6	100.0
-Female	24.8	50.0	1.6	2.1	..	0.4	20.4	0.7	100.0
-Total	32.1	43.0	2.2	2.5	0.1	0.4	19.1	0.6	100.0
d. Nyandarua									
In-migration									
-Male	1.8	74.9	0.2	3.3	0.1	2.4	16.2	1.1	100.0
-Female	1.9	78.2	..	1.9	..	1.4	16.0	0.6	100.0
-Total	1.8	76.5	0.1	2.6	0.1	1.9	16.1	0.9	100.0
Out-migration									
-Male	6.2	38.1	0.8	1.3	0.2	1.1	52.2	0.1	100.0
-Female	4.1	49.6	0.4	0.6	0.1	1.1	44.1	..	100.0
-Total	5.1	43.9	0.6	1.0	0.1	1.1	48.1	0.1	100.0
e. Nyeri									
In-migration									
-Male	70.7	12.0	0.9	5.5	0.1	2.0	7.0	1.8	100.0
-Female	75.3	11.7	0.5	3.0	0.2	1.2	7.1	1.0	100.0
-Total	73.0	11.8	0.7	4.2	0.2	1.6	7.1	1.4	100.0
Out-migration									
-Male	27.0	37.2	2.4	3.5	0.4	0.8	28.2	0.5	100.0
-Female	17.3	45.7	1.3	2.6	0.1	0.6	31.9	0.5	100.0
-Total	22.4	41.2	1.9	3.1	0.3	0.7	29.9	0.5	100.0
f. Total									
In-migration									
-Male	21.7	51.1	0.9	6.7	0.1	3.1	14.0	2.4	100.0
-Female	23.1	54.7	0.7	3.5	0.1	1.8	14.9	1.2	100.0
-Total	22.4	52.9	0.8	5.1	0.1	2.5	14.4	1.8	100.0
Out-migration									
-Male	30.6	30.5	3.7	3.2	0.2	1.6	29.2	1.0	100.0
-Female	21.4	37.7	2.1	2.7	0.1	1.6	33.3	1.1	100.0
-Total	26.3	33.8	3.0	3.0	0.2	1.6	31.1	1.0	100.0

margin, is Nakuru District (see Appendix D). Other destinations of movement from Kiambu are Narok, Uasin Gishu and Kericho. For Muranga District they are Uasin Gishu and Kericho while for Nyeri District they are Laikipia and Narok Districts. Again, the sex-ratios in these migration flows are quite similar indicating likely re-settlement of families. Nakuru town absorbs some 8 per cent of the movement from Kiambu to Nakuru District, 12 per cent from Muranga and 18 per cent from Nyeri. The role of Eldoret and Kericho towns in their respective districts is similar or less than that of Nakuru for Nakuru District.

The third important out-migration stream from the districts of Central Province, especially for males, is from the three major out-migration districts to Nairobi. The proportion from Nyeri District is less than from Kiambu and Muranga. For the movement from Kiambu there are 1.2 males for every female, but for Muranga the sex-ratio in the out-flow to Nairobi increases to 2 to 1 while for Nyeri it is 1.8 to 1. Therefore, this migration stream would conform more with both the hypothesis of younger people moving in search of employment and the type of in-migration observed in Nairobi.

In addition to these three major migration flows there is limited movement to other places accounting for 9 per cent of total out-migration. Of this 9 per cent one-third has moved to Coast Province and one-third to Eastern Province. In both streams there is a considerable excess of males relative to females. In addition, there are small out-flows from Kirinyaga and Nyandarua Districts. More than one-third of the migrants from Kirinyaga go to Nairobi while approximately one-quarter go to Mombasa and an additional 6 per cent to the other nine towns with a population in excess of 5,000. In all cases the number of males exceeds the number of females by a considerable margin.

The migration into the districts of Central Province is primarily to Nyandarua and Kiambu Districts, although a considerable number have moved into the other three districts as well. There is some movement into Kiambu District from Eastern Nyanza and Western Provinces (with 20 to 25 per cent going to Thika), but the majority come from the same Provinces to which Kiambu sends people - Central, Rift Valley and Nairobi Provinces (see appendix C). Of these flows, Thika serves as an important receiving area for the movement from Central Province only (19 per cent of the males and 14 per cent of the females). From within Rift Valley Province Nakuru District is the dominant source as well. In all three of these migration

in-flows the number of males is basically equal to the number of females. Therefore, more permanent re-settlement appears to be involved. These movements may be the result of forced movement back into Central Province during the Emergency or it may indicate some more recent return migration.

In contrast, the movement into Nyandarua is almost exclusively from within Central Province (77 per cent), with some movement from Rift Valley Province. Again the movement appears to reflect re-settlement. For Kirinyaga the in migration is almost all from within Central Province, primarily from Muranga as indicated above. The small flows into Muranga reflect the relative magnitudes of the various out-flows from Muranga, indicating possibly some return migration. For Nyeri District the dominant source of in-migrants is Nairobi (73 per cent) with some in-migration from the other two destinations of Nyeri out-migration, Central and Rift Valley Provinces. Nyeri town accounts for only 6 per cent of the males and 3 per cent of the females entering Nyeri District, although these numbers are suspect because the birthplace was not stated for more than one-third of the population enumerated in Nyeri town.

Analysis of the age distribution of the population in the five districts of Central Provinces indicates support for the above statements on the type of people involved in the migration. Throughout, the relative absence of people in the 15 to 40 age category has the effect of raising the proportions of the population at the two extremes of the age distribution to above average levels. The below average proportions in the middle of the age distribution for Nyandarua and Kirinyaga Districts was unexpected but a comparison with Table 1 indicates the distribution in the "total" columns for these two districts correspond very closely to the national average. The age distribution for Kiambu District reflects both in-migration and out-migration. Below average numbers in the age group 10 through 49 years were enumerated as born in the District, and above average numbers in this age category have entered Kiambu from both Central Province and from elsewhere in Kenya. Combining the effects of these two opposite forces produces a total age distribution with below average numbers in the middle age categories, except for 20 to 29 years for males and 20 to 24 years for females. This would be consistent with the postulated re-settlement of somewhat older people elsewhere and the in-migration of young adults seeking employment. The proximity of Kiambu to Nairobi may well be a significant cause of this in-migration of young adults.

Table 7: The Percentage Distribution of the Age of the Population Enumerated in Central Province

a. Total

Age	Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	+11.01*	+11.03	+9.56	+9.61	+0.62*	+0.62	+0.81	+0.81	0.02	0.02
5-9	+ 8.73	+ 8.70	+7.41	+7.37	+0.57	+0.61	+0.76	0.72	0.01	0.01
10-14	6.02	5.60	4.98	4.63	+0.54	+0.50	0.50	0.47	0.01	0.01
15-19	4.57	4.58*	3.56	3.60	+0.46	+0.50	0.54	0.46	0.02	0.02
20-24	3.50	4.01	2.47	2.98	+0.50	+0.55	0.50	0.47	0.01	0.01
25-29	2.62	3.30	1.72	2.47	+0.46	+0.47	0.41	0.35	0.02	0.02
30-34	2.00	2.49	1.35	1.87	+0.33	+0.34	0.29	0.27	0.02	0.02
35-39	1.68	2.19	1.15	1.65	0.26	+0.31	0.24	0.22	0.02	0.01
40-49	2.67	+ 3.39	1.85	2.62	+0.41	+0.46	0.37	0.30	0.03	0.02
50-59	2.18	+ 2.62	1.62	+2.11	+0.34	+0.34	0.21	0.16	0.02	0.02
60-69	+ 1.79	+ 1.94*	+1.42	+1.57	+0.26	+0.28	0.10	0.09	0.01	0.01
70+	+ 1.60	+ 1.79*	+1.30	+1.40	+0.23	+0.28	0.08	0.10	.	.
Total	48.37	+51.64	38.38	+41.87	+4.96	+5.24	4.81	4.40	0.18	0.16

(n=1,666,531)

b. Kiambu

Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	+10.83	+10.84	+9.70	+9.76	0.21	0.17	+0.89	+0.87	0.04	0.04
5-9	+ 8.68	+ 8.48	+7.67	+7.49	0.21	0.18	+0.76	+0.77	0.03	0.04
10-14	5.75	5.50	5.03	4.79	0.16	0.17	0.54	0.52	0.02	0.02
15-19	4.78	4.92	3.61	3.71	+0.31	+0.41	+0.81	+0.76	0.05	0.05
20-24	+ 4.05	+ 4.30	2.54	3.00	+0.55	+0.48	+0.93	+0.80	0.03	0.03
25-29	+ 3.23	3.27*	1.89	2.26	+0.50	+0.40	+0.79	+0.56	0.05	0.05
30-34	2.36	2.45	1.46	1.75	+0.33	+0.22	0.52	+0.44	0.04	0.04
35-39	2.07	2.09	1.28	1.52	+0.25	+0.19	0.49	+0.35	0.05	0.03
40-49	2.91	3.25	1.84	2.36	+0.33	+0.29	+0.67	+0.54	0.07	0.06
50-59	2.21	+ 2.40	1.58	+1.87	+0.25	+0.25	+0.34	+0.24	0.05	0.04
60-69	1.59	+ 1.69	1.15	+1.36	+0.27	+0.21	0.15	0.11	0.03	0.02
70+	1.02	+ 1.33	0.74	+0.97	+0.21	+0.28	0.06	0.06	0.01	0.01
Total	49.48	+50.53	38.49	40.83	+3.58	+3.26	+6.94	+6.03	0.46	0.42

(n=475,205)

c. Kirinyaga

Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	+10.78	+11.05	+8.79	+8.90	+1.82* <sup>4</sup>	+2.03* <sup>3</sup>	0.20	0.13	0.02	0.01
5-9	8.32	+ 8.62	6.80	+7.09	+1.38**	+1.42*	0.16	0.16	.	.
10-14	5.84	5.47	4.72	4.40	+1.06*	+0.99*	0.10	0.09	.	.
15-19	4.47	4.16	3.35	3.15	+0.96*	+0.90*	0.17	0.07	.	.
20-24	3.40	3.57*	2.51	2.71	+0.66	+0.75	0.18	0.07	.	0.01
25-29	2.66	3.25*	+2.03	2.57	+0.49	+0.63	0.09	0.04	.	.
30-34	2.31	+2.80	+1.81	+2.22	+0.42	+0.51	0.03	0.09	.	.
35-39	1.72	2.19	1.34	1.71	+0.30	+0.46	0.05	0.03	.	.
40-49	3.11	+3.51	+2.45	+2.91	+0.49	+0.62*	0.12	.	.	0.01
50-59	+2.31	+2.48	+1.83	+2.11	+0.40	+0.38	0.08	.	.	.
60-69	+1.76	+2.09	+1.41	+1.81	+0.33*	+0.30	0.02	0.01	.	.
70+	+1.93*	+2.20	+1.65*	+1.82*	+0.28*	+0.30*	+0.02	0.10	.	.
Total	48.61	+51.39	38.68	+41.40	+8.60*	+9.27*	+1.21	0.72	0.02	0.03

(n=214,248)



d. Muranga

Age											
0-4	+10.83	+10.84	+ 9.79	+ 9.79	+0.52	+0.52	0.52	0.53	..	0.01	
5-9	+ 8.64	+ 8.58	+ 7.88	+ 7.85	+0.30	+0.32	0.45	0.41	0.01	..	
10-14	6.42	5.96	+ 6.00	+ 5.52	0.19	0.21	0.23	0.23	0.01	..	
15-19	4.47	4.71	+ 4.15	+ 4.38	0.14	0.15	0.17	0.18	..	..	
20-24	3.04	3.80	+ 2.76	+ 3.50	0.14	0.18	0.13	0.12	..	..	
25-29	2.12	3.29	1.91	+ 3.05	0.13	0.16	0.08	0.08	..	..	
30-34	1.48*	2.57	1.34	+ 2.34	0.07	0.16	0.06	0.06	..	..	
35-39	1.34*	2.28	1.23	+ 2.10	0.06	0.14	0.04	0.04	..	..	
40-49	2.34**	+ 3.66	2.17	+ 3.33	0.09	+0.28	0.07	0.06	0.01	..	
50-59	2.13	+ 3.03*	+ 1.99	+ 2.81*	0.09	+0.19	0.05	0.03	..	0.01	
60-69	+ 2.07*	+ 2.29*	+ 1.99*	+ 2.15*	0.05	+0.13	0.03	0.02	..	..	
70+	+ 2.04*	+2.07*	+ 1.17*	+ 1.91*	0.05	+0.12	0.02	0.03	..	..	
Total	46.92*	+53.08*	+43.17	+48.72	1.84	+2.57	1.85	1.78	0.04	0.03	

(n=443,573)

e. Nyandarua

Age											
0-4	+11.98*	+11.84*	+9.79	+9.80	+ 1.41* <sup>3</sup>	+ 1.40**	0.72	0.65	0.02	..	
5-9	+ 8.88	+9.07*	5.39*	5.38*	+ 2.18* <sup>3</sup>	+ 2.55* <sup>3</sup>	+1.32	+1.14	..	..	
10-14	6.12	5.10*	2.53*	2.04**	+ 2.74* <sup>4</sup>	+ 2.33* <sup>4</sup>	+0.86	+0.72	..	0.02	
15-19	4.30	4.06**	1.67*	1.49**	+ 1.81* <sup>2</sup>	+ 1.93* <sup>1</sup>	+0.83	0.62	..	0.02	
20-24	3.40	+4.19	1.08*	1.32*	+ 1.79* <sup>3</sup>	+ 2.21* <sup>1</sup>	0.52	0.66	..	..	
25-29	+ 3.18	+3.74	0.64*	1.14*	+ 1.84* <sup>2</sup>	+ 1.97* <sup>3</sup>	0.70	+0.63	..	0.01	
30-34	2.48	2.54	0.61*	0.63*	+ 1.36* <sup>3</sup>	+ 1.44* <sup>3</sup>	0.52	+0.47	..	0.01	
35-39	1.93	2.21	0.48*	0.47*	+ 1.18* <sup>1</sup>	+ 1.32* <sup>3</sup>	0.27	+0.41	0.01	0.01	
40-49	3.19	2.68	0.53*	0.48*	+ 1.97* <sup>3</sup>	+ 1.88* <sup>4</sup>	+0.68	0.30	0.01	0.01	
50-59	2.20	1.83	0.18**	0.09**	+ 1.77* <sup>4</sup>	+ 1.52* <sup>5</sup>	0.24	+0.21	0.01	..	
60-69	1.25*	1.43	0.02*	0.04*	+ 1.13* <sup>6</sup>	+ 1.33* <sup>5</sup>	0.11	0.06	..	..	
70+	1.09	+1.31	0.02*	0.07*	+ 1.04* <sup>6</sup>	+ 1.20* <sup>5</sup>	0.03	0.04	..	..	
Total	50.01	+50.00	22.91*	22.95*	+20.21* <sup>3</sup>	+21.08* <sup>4</sup>	6.80	+5.91	0.06	0.07	

(n=176,746)

f. Nyeri

Age											
0-4	+11.11*	+11.11*	+ 9.45	+ 9.49	0.17	0.10	+1.50*	+1.54*	0.01	0.01	
5-9	+ 9.11*	+ 9.01*	+ 7.82	+ 7.76	0.09	0.11	+1.22	+1.17	0.01	0.01	
10-14	5.93	5.61	5.02	4.75	0.08	0.08	+0.85	+0.80	0.04	..	
15-19	4.59	4.49	3.82	3.80	0.07	0.09	+0.70	0.57	0.01	0.01	
20-24	3.45	4.06	2.68	+ 3.28	0.13	0.14	0.57	0.61	0.02	0.01	
25-29	2.13	3.16*	1.61	2.61	0.12	0.11	0.35	0.43	0.01	0.01	
30-34	1.73	2.21*	1.31	1.85	0.07	0.05	0.31	0.29	0.01	0.02	
35-39	1.45*	2.20	1.11	1.83	0.06	0.07	0.24	+0.29	0.01	0.01	
40-49	2.26*	+ 3.53	1.78	+ 2.96	0.06	0.09	0.36	+0.46	0.02	0.02	
50-59	2.12	+ 2.87*	+ 1.78	+ 2.57	0.03	0.03	0.28	+0.28	0.02	0.01	
60-69	+ 1.97	+ 1.99*	+ 1.76	+ 1.75	0.03	0.02	+0.19	+0.24	0.01	..	
70+	+ 1.89*	+ 2.02*	+ 1.63*	+ 1.76*	0.02	0.02	+0.23*	+0.25	0.01	0.01	
Total	47.74	+52.26	+39.76	+44.40	0.92	0.92	6.81	+6.92	0.14	0.13	

(n=356,752)

Muranga consistently indicates a lack of in-migration except for some older women likely accompanied by young children. Even though above average numbers in most age categories were enumerated as born in Muranga, the number of males between 30 and 49 years is significantly below the national average. This would appear to be the result of the cumulative effect of males seeking employment elsewhere and both males and females moving elsewhere on a more permanent basis. The large movement into Nyandarua District from elsewhere in Central Province is evident in all age groups. This would indicate the migration flow has been going on for some time, is still persisting at present, and most of the in-migrants are remaining there. This interpretation of families moving with an intent to stay is supported as well by the equality of the sex-ratio for Nyandarua District. In Nyeri District the significant in-migration of very young children plus above average numbers of older children and older women indicates the movement from Nairobi to Nyeri may well be primarily children being returned for child-care and education.

Table 8 indicates the above average availability of education in Central Province. In the primary school age group of 0 to 14 years the proportion with primary education is above average in all districts except for standards 5 to 8 in Nyandarua. For the people ages 15 to 24 years above average availability of secondary education opportunities, especially in the three districts with large out-migration, is evident as well. The below average presence of people 25 years and older who have secondary education indicates the selective nature of the out-migration from Muranga and Nyeri Districts. In Kiambu District either the better educated choose to remain or the in-migration includes large numbers with above average levels of education. This is especially true for men, but evident for women as well.

### 3. Coast Province

For the people born there, Coast Province is largely a self contained unit. Seventy-five per cent of the people who were born in Coast Province but have moved across district lines were enumerated within the Province. For three districts, Kilifi, Kwale and Lamu, the proportion of total out-migration that has flowed elsewhere in Coast Province exceeds 90 per cent. Excluding Mombasa, Taita District represents the lowest proportion of total migration (73 per cent) flowing elsewhere in Coast Province. The majority of the people moving within Coast Province moved to Mombasa (see Appendix D). Only for Lamu District is the proportion

Table 8: The Percentage Distribution of the Level of Education Completed in Different Age Groups in Central Province

a. Total

Education	Age							
	Total		0-14		15-24		25 and Over	
	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	27.58	36.30	19.18	19.61	0.89	2.88	7.52	13.81*
	+9.03	+8.80	+5.56	+4.95	1.31	+1.66	+2.16	+2.18
St. 5-8	+9.35	+5.81	+1.02	+0.77	+4.31	+3.52	+4.02	+1.52
Form I,II	+1.51	+0.48	0.01	. .	+1.00	+0.39	+0.50	0.09
Form III,IV	+0.73	0.17	. .	. .	+0.49	0.13	0.23	0.04
Form V+	0.18	0.06	. .	. .	+0.06	0.02	0.12	0.04
Total	48.37	+51.61	+25.76	+25.33	8.07	8.60	14.54	+17.69

b. Kiambu

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	26.07	34.28	18.57	18.98	. 78	2.79	6.72*	12.51
St. 1-4	+9.03	+8.71	+5.51	+4.96	1.09	+1.68	+2.44	+2.07*
St. 5-8	+11.18*	+6.48*	+1.15	+ .88	+5.08	+4.01*	+4.94*	+1.59*
Form I,II	+1.86	+0.67	0.01	. .	+1.13	+0.55*	+0.72	+0.12
Form III,IV	+1.02	+0.27	. .	. .	+0.64	+0.18	+0.38	+0.09
Form V+	+0.31	+0.12	. .	. .	0.05	0.02	+0.26	+0.11
Total	49.48	+50.52	+25.25	+24.82	8.77	+9.22	15.46	16.48

c. Kirinyaga

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	31.79	37.05	+19.76	+21.14	1.64	4.52	10.39	+6.78
St. 1-4	7.12	5.03	+ 4.32	3.30	1.18	0.82	1.62	0.91
St. 5-8	+7.99	3.63	+ .87	+ .70*	+3.86	2.15	+ 3.26	0.78
Form I, II	0.99	0.23	. .	. .	+0.75	0.19	0.23	0.04
Form III, IV	0.54	0.05	. .	. .	0.36	0.03	0.18	0.03
Form V+	0.19	0.03	. .	. .	+0.08	0.02	0.11	0.01
Total	48.61	+51.41	+24.95	+25.12	7.87	7.73* <sup>2</sup>	15.79	+18.54

d. Muranga

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	27.84	37.05	19.28	19.57	.89	2.80	7.68	14.68
St. 1-4	+9.26	+9.79	+5.61	+5.05	+1.54	+1.98	+2.11	+2.76*
St. 5-8	+7.78	+5.71	+1.00	+ .75	+3.72	+3.33	+3.06	+1.64*
Form I,II	+1.39	+ .41	. .	. .	+ .94	+ .31	+ .45	+0.10
Form III,IV	0.55	0.10	. .	. .	+ .39	0.09	0.16	0.01
Form V+	0.12	0.01	. .	. .	0.04	. .	0.07	0.01
Total	46.92	+53.08*	+25.89	+25.37	7.51	8.52	13.52	+19.19

e. Nyandarua

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	27.54	36.71	+20.00	+20.56	.59	3.45	6.95	12.70
St. 1-4	+11.31*	+9.12*	+6.27*	+5.10	+1.97	+2.15*	+3.06*	+1.87
St. 5-8	+9.49	+3.94	0.71	0.34	+4.15	+2.50	+4.64	+1.10
Form I, II	+1.19	0.17	. .	+0.02	0.69	0.12	+ .50	0.04
Form III, IV	0.44	0.03	. .	. .	0.28	0.03	0.16	. .
Form V+	0.04	0.02	. .	. .	0.02	. .	0.02	0.02
Total	50.00	+50.00	+26.97*	+26.01	7.70	8.25*	15.33	15.74

f. Nyeri

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	26.72	34.12	19.10	19.10	0.72	1.80*	6.90	13.22
St. 1-4	+8.77	+9.91*	+5.94*	+5.73*	1.02	+1.51	1.82	+2.66*
St. 5-8	+9.62	+7.29*	+1.10	+0.89	+4.38	+4.46*	+4.14	+1.94*
Form I, II	+1.64	+0.61	+0.01	. .	+1.21*	+0.52*	0.42	0.10
Form III, IV	+0.82	+0.26	. .	. .	+0.62	+0.23	0.20	0.03
Form V+	0.17	0.07	. .	. .	+0.10	+0.04	0.07	0.04
Total	47.74	+52.26	+26.15	+25.73	8.04	8.57	13.55	+17.98

<sup>1</sup> These percentages include "not stated".

Table 9: The Movement of Population to and from the Districts of Coast Province  
(percent)

	P r o v i n c e s								Total
	Nairobi	Central	Coast	Eastern	North- Eastern	Nyanza	Rift Valley	Western	
a. Kilifi									
In-migration									
-Male	64.0	2.5	22.0	3.3	0.6	3.7	1.8	2.1	100.0
-Female	72.8	1.0	20.8	1.1	0.3	2.0	0.8	1.2	100.0
-Total	68.3	1.8	21.4	2.3	0.4	2.8	1.3	1.7	100.0
Out-migration									
-Male	2.8	1.7	90.6	0.7	1.2	0.8	1.5	0.7	100.0
-Female	2.4	1.8	89.2	1.0	0.3	1.5	1.6	1.0	100.0
-Total	2.7	1.7	90.1	0.8	0.9	1.0	2.0	0.8	100.0
b. Kwale									
in-migration									
-male	14.8	4.4	13.8	48.9	1.1	11.0	1.5	4.5	100.0
-Female	23.6	2.7	15.5	48.6	0.4	5.1	2.8	2.5	100.0
-Total	19.0	3.6	14.6	48.8	0.8	8.2	1.5	3.5	100.0
Out-migration									
-Male	1.9	1.2	92.4	1.3	0.5	0.9	1.5	0.3	100.0
-Female	1.4	0.9	92.6	1.6	.	1.6	1.0	0.9	100.0
-Total	1.7	1.1	92.5	1.4	0.3	1.2	1.3	0.5	100.0
c. Lamu									
in-migration									
-Male	3.3	9.0	69.0	5.6	1.8	3.8	3.6	3.9	100.0
-Female	5.7	2.7	78.6	5.0	0.2	3.9	2.4	1.5	100.0
-Total	4.2	6.6	72.7	5.4	1.2	3.8	3.1	3.0	100.0
Out-migration									
-Male	1.3	0.2	96.9	0.3	0.8	0.1	0.4	.	100.0
-Female	0.9	0.5	97.3	0.2	.	0.3	0.6	0.2	100.0
-Total	1.1	0.4	97.1	0.2	0.4	0.2	0.5	0.1	100.0
d. Mombasa									
In-migration									
-Male	3.2	9.5	38.2	24.0	0.4	13.6	1.8	9.3	100.0
-Female	5.4	8.3	39.6	19.7	0.4	14.9	2.1	9.6	100.0
-Total	4.0	9.1	38.7	22.4	0.4	14.0	1.9	9.5	100.0
Out-migration									
-Male	22.5	8.3	19.5	6.3	16.1	9.2	12.5	3.6	100.0
-Female	23.5	7.6	28.2	6.0	14.7	9.8	8.6	1.6	100.0
-Total	22.9	8.0	23.5	6.2	16.5	9.5	10.7	2.7	100.0
e. Taita									
In-migration									
-Male	4.3	6.2	42.7	21.2	1.3	17.2	2.4	4.7	100.0
-Female	7.5	3.7	58.6	15.8	3.5	7.8	1.1	2.0	100.0
-Total	5.7	5.1	49.8	18.8	2.3	13.0	1.8	3.5	100.0
Out-migration									
-Male	13.5	0.9	72.2	7.1	0.4	1.0	4.7	0.2	100.0
-Female	12.8	1.3	75.0	5.7	.	1.6	2.7	0.9	100.0
-Total	13.2	1.1	73.3	6.5	0.2	1.3	3.9	0.5	100.0

	Nairobi	Central	Coast	Eastern	North- Eastern	Nyanza	Rift Valley	Western	Total
f. Tana River									
In-migration									
-Male	. .	4.6	83.6	3.6	0.5	4.1	2.0	1.6	100.0
-Female	. .	0.6	97.0	1.1	0.8	. .	0.1	0.4	100.0
-Total	. .	2.7	89.9	2.4	0.6	2.2	1.2	1.0	100.0
Out-migration									
-Male	1.9	1.8	80.2	0.3	5.7	6.3	3.6	0.2	100.0
-Female	1.1	0.3	90.4	0.1	. .	6.0	1.9	0.2	100.0
-Total	1.5	1.2	84.5	0.2	3.3	6.2	2.9	0.2	100.0
g. Total									
In-migration									
-Male	15.8	7.2	34.0	22.5	0.6	11.3	1.8	6.8	100.0
-Female	25.0	4.9	34.9	18.7	0.6	9.0	1.5	5.4	100.0
-Total	19.7	6.2	34.4	20.9	0.6	10.3	1.7	6.2	100.0
Out-migration									
-Male	8.2	2.4	74.2	3.1	4.3	2.6	4.2	1.0	100.0
-Female	8.2	2.4	75.1	2.9	3.6	3.4	3.3	1.1	100.0
-Total	8.2	2.4	74.6	3.0	4.0	2.9	3.9	1.0	100.0

of total out-migration flowing to Mombasa less than 50 per cent. Other internal migration flows, in order of importance, are Lamu to Taita, Lamu to Tana River, Kwale to Kilifi, Kilifi to Kwale and Mombasa to Kilifi. In the movements into Mombasa the ratio of males to females is 1.7 to 1 with only the movements from Lamu and Tana River Districts indicating a more equal sex ratio. In the other out-migration from Lamu District and the movement from Mombasa to Kilifi District the number of females exceeds the number of males. In the migration flow from Kwale to Kilifi the number of males that of females but the sex ratio is equal for the flow in the opposite direction. Therefore the majority of the movement within Coast Province is consistent with the hypothesis of young adults seeking employment, but more permanent re-settlement is evident in the rural-to-rural migration from Lamu and in the movement from Kilifi District to Kwale District.

This movement from within Coast Province accounts for 34 per cent of the total in-migration into the districts of Coast Province. Other sources of in-migration include 21 per cent from Eastern Province, 20 per cent from Nairobi plus smaller flows from Nyanza, Central and Western Provinces. The movement from Eastern Province primarily involves four flows: Kitui to Mombasa, Machakos to Kwale, Machakos to Mombasa and Machakos to Taita. Except for the movement from Machakos to Kwale, the number of males exceeds that of females by a considerable margin. Therefore, these appears to be some re-settlement to Kwale District but most of this inter-provincial migration stream involves young adults seeking employment. The migration flow from Nairobi is directed primarily to Kilifi District

with a minority going to Kwale. The ratio of males to females is close to one in the Nairobi to Kilifi flow indicating this may involve children being sent out from Nairobi.

Of all the migration into the districts of Coast Province, Mombasa absorbs more than 50 per cent. Also, Mombasa receives 8 per cent of all the males and 6 per cent of all the females who were enumerated outside the district in which they were born. Malindi is the destination for per cent of the males and 6 per cent of the females who moved into Kilifi District but these low percentages are somewhat misleading because almost 70 per cent of the migration into Kilifi is from Nairobi to the rural parts of Kilifi Districts. For the remainder of the migration into Kilifi District the proportion going to Malindi ranges from 10 per cent of the males and 17 per cent of the females from Rift Valley Province to 29 per cent of the males and 41 per cent of the females from Central Province.

Again, Table 10 clearly identifies Coast Province as an area of in-migration involving both external and internal sources. The significantly above average proportion, especially for males, in ages 0 to 49 in Mombasa indicates both young adults seeking employment and older couples with young children have come to Mombasa. In addition, Mombasa has received large numbers from outside of Kenya. This process has been continuing for some time since all age groups are involved. Although the excess of males over females indicates men have come for employment, families have been involved also because a significant number of young children have entered as well.

Kwale District is characterized by above average in-migration from "elsewhere in Kenya" covering most age groups with sex-ratios close to one. This would indicate on-going in-migration of a fairly permanent nature which has been taking place for some time, although there is some evidence of some young men entering for employment purposes. Taita and Tana River Districts reflect a similar pattern for in-migration from within Coast Province which would be consistent with the re-settlement from Lamu District observed in Table 9. The out-migration from Lamu appears to include all ages except for the men over 60 and women over 40 years of age. For all districts, with the possible exceptions of Taita and Mombasa, the below average number of children indicates the rapid population growth is not as evident in Coast Province as in some other parts of Kenya.

Table 10: The Percentage Distribution of the Age of the Population Enumerated in Coast Province

a. Total

Age	Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	8.61	8.52	6.95*	6.85*	+0.42	+0.49	+1.11	+1.06	+0.13*	+0.11
5-9	7.56*	7.46	6.00	5.84	+0.43	+0.44	+1.01	+1.04	+0.12	+0.14
10-14	5.65	4.95*	4.29	3.84	+0.38	+0.30	+0.85	+0.70	+0.11*	+0.11
15-19	5.00	+5.06	3.12	3.58	+0.65	+0.44	+1.04	+0.90	+0.19	+0.14*
20-24	+4.16	+4.63*	1.97	3.09	+0.66	+0.45	+1.28	+0.92	+0.25*	+0.17
25-29	+4.29	+4.41*	+2.08	+2.98	+0.66	+0.44	+1.25	+0.78	+0.29*	+0.24
30-34	+3.19	+3.12	1.54	+2.20	+0.48	+0.30	+0.89	+0.43	+0.27*	+0.20*
35-39	+3.18*	+2.73	+1.66	+2.01	+0.44	+0.23	+0.80	+0.32	+0.26*	+0.17
40-49	+4.12	+3.47	+2.34	2.59	+0.48	+0.28	+0.87	+0.36	+0.42*	+0.25
50-59	+2.54	2.12	1.66	1.57	+0.21	+0.17	+0.39	+0.24	+0.28*	+0.15
60-69	1.63	1.39	1.14	1.05	+0.12	+0.11	+0.21	+0.13	+0.17	+0.10
70+	+1.25	0.95	0.94	0.74	+0.10	0.06	+0.11	0.09	+0.11*	+0.06
Total	+51.17	48.83	33.69	36.32	+5.03	+3.72	+9.81	+6.98	+2.61*	+1.85*

(n=928,718)

b. Kilifi

Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	8.76	8.87	7.42	7.58	0.20	0.20	+1.10	+1.07	0.05	0.03
5-9	7.88	7.71	6.63	6.51	0.21	0.20	+0.99	+0.95	0.06	0.06
10-14	5.76	5.11*	4.60	4.22	0.18	0.13	+0.92	+0.72	0.03	0.04
15-19	4.36	+5.04	3.42	+4.23	0.22	0.16	0.66	0.60	0.05	+0.05
20-24	2.96	+4.71*	2.27	+3.90	0.18	0.23	0.43	0.54	+0.07	0.04
25-29	3.04	+4.88**	+2.29	+4.04	0.19	0.18	0.48	+0.60	0.07	0.08
30-34	2.26	+3.43*	+1.75	+2.81	0.10	0.16	0.32	+0.40	0.08	0.06
35-39	+2.69	+3.06*	+2.13	+2.58	0.12	0.08	0.35	+0.36	0.07	0.05
40-49	+3.68	+4.06*	+2.85	+3.37	0.22	0.14	0.50	0.46	+0.11	+0.10
50-59	+2.77*	+2.60	+2.24	+2.11	0.08	0.09	+0.36	+0.36	+0.09	0.04
60-69	+2.00*	+1.78	+1.58	+1.47	0.06	0.07	+0.29	+0.21	+0.08	+0.04
70+	+1.53*	1.07	+1.31	0.86	0.06	0.04	+0.12	+0.15	+0.04	0.02
Total	47.69	+52.31	38.49	+43.67	1.82	1.67	6.51	+6.42	0.79	0.61

c. Kwale

Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	8.92	8.82	7.63	7.55	0.15	0.15	+1.03	+1.09	+0.10	0.04
5-9	+8.37	7.98	7.10	6.62	0.14	0.11	+1.07	+1.22	+0.07	0.02
10-14	5.89	5.24	4.82	4.28	0.10	0.15	+0.88	+0.74	+0.07	+0.06
15-19	4.55	+5.24	3.63	+4.19	0.11	0.16	+0.76	+0.81	0.05	+0.08
20-24	3.15	+4.53	2.20*	+3.68	0.13	0.12	0.74	+0.67	+0.08	+0.07
25-29	+3.76	+4.49*	+2.78	+3.73	0.14	0.11	+0.80	+0.56	0.05	+0.09
30-34	+2.67	+3.09	+2.01	+2.59	0.07	0.07	0.50	+0.36	+0.09	+0.07
35-39	+2.90	+3.02*	+2.16*	+2.56	0.06	0.10	+0.60	+0.31*	+0.08	+0.06
40-49	+3.92	+3.39	+3.03	+2.86	0.12	0.11	0.54	+0.36	+0.23	0.04
50-59	+2.29	+2.27	+1.97	+1.89	0.06	0.08	0.20	+0.29	0.07	0.02
60-69	+1.71	1.38	+1.44	1.18	0.07	0.03	+0.18	+0.17	0.03	0.01
70+	+1.41	1.04	+1.24	0.89	0.04	0.03	+0.11	0.09	0.02	0.02
Total	49.51	+50.49	+40.02	+42.01	1.19	1.23	+7.40	+6.68	+0.93	0.56

(n=203,011)



d. Lamu

Age											
0-4	8.44	8.65	8.01	8.14	+0.34	+0.42	0.07*	0.08	0.01	0.01	
5-9	7.71	7.58	+7.37	+7.14	+0.30	+0.34*	0.04	0.09	.	0.01	
10-14	5.11*	3.75**	4.73	3.55	+0.29	0.17	0.07	0.04	0.02	.	
15-19	3.73*	4.64	3.11	+4.36	+0.36	0.18	0.17	0.11	+0.09	.	
20-24	3.62	+4.29	+2.94	+3.99	+0.30	0.21	0.33	0.09	0.05	.	
25-29	+3.44	+4.23*	+2.87*	+4.01	+0.31	0.16	0.13	0.05	+0.12	0.01	
30-34	+3.07	+2.98	+2.74*	+2.83	0.17	0.12	0.13	0.03	0.03	0.01	
35-39	+2.57	+2.41	+2.20*	+2.27	+0.24	0.10	0.10	0.02	0.03	0.02	
40-49	+4.11	+4.57**	+3.80*	+4.47*	0.17	0.09	0.09	.	0.05	0.01	
50-59	+2.57	+2.86*	+2.38	+2.78*	+0.11	0.06	0.03	0.01	0.05	0.01	
60-69	+2.52**	+2.38**	+2.40*	+2.34*	0.07	0.03	0.03	.	0.02	.	
70+	+2.57**	+2.21*	+2.44**	+2.17**	0.05	0.03	0.03	.	+0.06	0.01	
Total	49.45	+50.55	+45.00	+48.04	+2.72	1.90	1.22	0.52	0.52	0.09	

(n=22,390)

e. Mombasa

Age											
0-4	7.51	7.05	4.74**	4.47**	+0.75	+0.73*	+1.76*	+1.59*	+0.26*	+0.26**	
5-9	6.05*	5.97**	3.44**	3.40**	+0.78*	+0.76	+1.53*	+1.50	+0.30**	+0.31*	
10-14	4.83*	3.97**	2.48*	2.21*	+0.89*	+0.52	+1.20*	+0.99	+0.27*	+0.25**	
15-19	+6.57*	+5.04	1.98*	1.88*	+1.79**	+1.01*	+2.31*	+1.82*	+0.49*	+0.33*	
20-24	+7.23**	+5.09**	1.34*	1.43*	+1.88*	+1.12*	+3.35*	+2.05*	+0.66*	+0.48*	
25-29	+6.79*	+4.45*	1.14*	1.15*	+1.86*	+1.08*	+2.99*	+1.59*	+0.81*	+0.63*	
30-34	+5.26**	+2.86	0.89*	0.88*	+1.34*	+0.65*	+2.25*	+0.76*	+0.75*	+0.57*	
35-39	+4.67**	2.17	0.82*	0.72*	+1.21**	+0.51*	+1.89*	+0.48	+0.75*	+0.47*	
40-49	+5.13**	2.63*	0.96*	0.94*	+1.10*	+0.56	+1.97*	+0.42	+1.10*	+0.71*	
50-59	+2.36	1.36*	0.50*	0.46*	+0.45	+0.30	+0.65	0.17	+0.76*	+0.43*	
60-69	1.14*	0.82*	0.28*	0.31*	+0.23	+0.19	+0.20	0.07	+0.43**	+0.25**	
0+	0.63	0.44*	0.18*	0.17*	+0.13	+0.09	0.09	0.03	+0.24*	+0.15**	
Total	+58.17**	41.83**	18.75**	18.01**	+12.42**	+7.50*	+20.18*	+11.48*	+6.81*	+4.84*	

(n=246,787)

f. Taita

Age											
0-4	+9.73	+9.85	8.36	7.95	+0.79*	+1.34**	0.43	0.40	+0.21**	+0.22**	
5-9	7.87	+8.21	6.78	6.80	+0.74	+0.69	0.34	0.45	+0.09	+0.35**	
10-14	+6.60	+6.60	+5.88	+5.68	+0.46	+0.51	0.25	0.34	+0.10*	+0.16*	
15-19	4.46	4.92	3.53	+4.11	0.27	+0.35	0.35	0.34	+0.25*	+0.15*	
20-24	3.30	3.81	1.89	3.04	+0.37	0.18	0.62	0.44	+0.26*	+0.13	
25-29	+3.27	3.59	1.70	2.72	0.20	+0.29	+0.93	0.31	+0.35*	+0.23	
30-34	+2.70	2.71	1.51	+2.27	+0.23	0.17	0.55	0.18	+0.26	+0.10	
35-39	2.24	+2.82	1.28	+2.39	+0.26	+0.19	0.39	0.11	+0.16	+0.16	
40-49	+3.80	+3.59	+2.43	+3.18	+0.27	0.19	0.57	0.15	+0.39*	+0.14	
50-59	+2.49	2.18	1.67	1.77	0.14	0.14	+0.42	0.09	+0.26	+0.15	
60-69	1.48	1.33	1.05	1.02	0.08	+0.13	+0.18	0.08	+0.20*	+0.14*	
70+	+1.25	+1.23	0.84	+1.03	0.05	0.06	+0.15	+0.11	+0.25*	+0.06	
Total	49.18	+50.82	36.90	+42.06	+3.86	+4.23	5.18	3.00	+2.78*	+2.01*	

(n=104,811)

g. Tana River

Age											
0-4	9.43	9.35	+8.86	+8.51	+0.57	+0.80*	0.06*	0.03*	.	.	.
5-9	+8.96	+9.40*	+8.24	+8.23	+0.71	+1.18*	0.04	0.06	0.01	0.01	0.01
10-14	6.14	4.59*	+5.79	4.00	0.14	+0.55	0.20	.	.	.	0.01
15-19	4.72	+5.04	3.97	+4.23	+0.83*	+0.81*	.	0.02	.	.	.
20-24	2.66*	+4.33	1.96	+3.67	+0.43	+0.54	0.21	0.05	.	.	.
25-29	+4.40*	3.51	+3.22*	2.60	+0.93*	+0.75*	0.32	0.06	0.04	.	.
30-34	1.99	3.60**	1.04	+2.99	+0.67	+0.61*	0.23	.	.	.	0.06
35-39	2.28	2.23	+1.52	1.74	+0.65*	+0.48	0.12	.	0.02	.	.
40-49	+3.39	+3.56	+2.38	+2.73	+1.00*	+0.74*	0.04	0.01	.	.	0.04
50-59	+3.12**	1.83	+2.34	1.22	+0.61*	+0.53*	0.15	.	0.04	0.05	.
60-69	1.46	+1.44	1.07	1.04	+0.24	+0.38*	0.05	.	0.05	0.01	.
70+	+1.40	+1.17	0.69	0.92	+0.60*	+0.17	0.05	.	+0.04	+0.08*	.
Total	49.95	+50.05	+41.08	+41.87	+7.38*	+7.53*	1.46	0.23	0.19	0.27	.

(n=47087)

Consideration of the Table on the distribution of the levels of education completed indicates the dominance of Mombasa in Coast Province as the place where secondary education is available and the place where employment opportunities for people with secondary education are available. Elsewhere, the pattern is very similar: above average proportions without formal education and below average proportions in school. The exception to this general pattern is Taita District where primary education evidently has been readily available for some time and people, especially females, with primary education have remained in the district.

#### 4. Eastern Province

Eastern Province is a Province of out-migration. Only one district, Isiolo, has experienced a net gain of population and the number is small, 2,625.

Not only does the number of out-migrants exceed the number of in-migrants by a ratio of almost 3 to 1, but, as indicated in Table 12, half of these in-migrants represent inter-district movement within Eastern Province. This pattern is fairly consistent across the six districts with the exception of Isiolo. Embu, Meru and Isiolo are the important receiving areas for the inter-district movement within Eastern Province. The exceptions to the general pattern are Isiolo and Marsabit where most of the movement is between the two districts only. There is also some movement from Kitui District to Machakos District. The extent of female out-migration is considerably less than that of males for all six districts.

Of the migration streams flowing out of Eastern Province the largest flow, accounting for 36 per cent of the males and 28 per cent of the females, is to Nairobi. This particular flow is weighted heavily by

Table 11: The Percentage Distribution of the Level of Education Completed in Different Age Groups in Coast Province

a. Total

Education	A G E							
	Total		0-14		15-24		25 and Over	
	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+36.77	+42.15	18.20	18.58	+4.13	+7.12	+14.44	+16.45
St. 1-4	5.43	3.04	2.78	1.79	1.13	0.66	1.53	0.59
St. 5-8	6.30	2.61	+0.81	0.54	2.65	1.38	2.83	0.69
Form I, II	+1.21	+0.45	+0.03	+0.02	0.63	+0.26	+0.56	+0.16
Form III, IV	+1.02	+0.39	.	.	+0.50	+0.22	+0.52	+0.17
Form V+	+0.43	+0.21	.	.	+0.10	+0.06	+0.33	+0.15
Total	+51.17	48.83	21.82*	20.93*	+9.15	+9.69	+20.19*	+18.22

b. Kilifi

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+37.27	+48.67*	19.23	+20.23	+3.96	+8.50*	+14.09	+23.58* <sup>2</sup>
St. 1-4	4.97	1.79*	2.65	1.18*	0.97	0.29*	1.34	0.32*
St. 5-8	4.17	1.34*	0.53	0.28	1.74*	0.73	1.90	0.33
Form I, II	0.60	0.16	0.01	.	0.39	0.11	0.20	0.05
Form III, IV	0.41	0.17	.	.	0.22	0.07	0.20	+0.10
Form V+	+0.27	+0.19	.	.	0.04	+0.05	+0.23	+0.14
Total	47.69	+52.32*	22.41*	21.69	7.32	+9.75	+17.96	+24.52* <sup>2</sup>

c. Kwale

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+42.61*	+48.30*	+21.43	+21.32	+5.15	+8.85*	+16.03*	+20.37*
St. 1-4	3.16*	1.11*	1.42*	0.58*	0.92	0.33*	0.82*	0.21*
St. 5-8	2.91*	0.76*	0.32*	0.13*	1.33*	0.50*	1.27	0.13*
Form I, II	0.47	0.11	0.01	.	0.20*	0.04*	0.27	0.06
Form III, IV	0.16	0.08	.	.	0.07	0.03	0.08	0.05
Form V+	0.21	+0.15	.	.	0.03	0.03	0.17	+0.12
Total	49.51	+52.69	23.17	22.03	7.70	+9.78	+18.64	+20.88*

d. Lamu

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+45.40*	+49.22*	+20.20	19.40	+5.65	+8.37*	+19.55* <sup>2</sup>	+22.79* <sup>2</sup>
St. 1-4	1.63*	0.67*	0.93*	0.46*	0.42*	0.15*	0.28*	0.05*
St. 5-8	1.48*	0.51*	0.13*	0.12*	0.70*	0.29*	0.66*	0.11*
Form I, II	0.62	0.12	.	.	0.46	0.10	0.16	0.01
Form III, IV	0.24	0.02	.	.	0.12	0.01	0.13	0.01
Form V+	0.08	0.03	.	.	.	0.01	0.08	0.01
Total	49.45	+51.89	21.26*	19.97*	7.34	8.94	+20.85*	+22.98* <sup>2</sup>

e. Mombasa

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	31.21	29.21*	13.19**	13.11* <sup>3</sup>	+3.93	+5.10	+14.09	10.99*
St. 1-4	7.16	4.50	3.62	2.75	1.36	0.93	+2.18	0.82
St. 5-8	+12.66*	+5.30	+1.50*	+1.05* <sup>4</sup>	+5.22*	+2.56	+5.95*	+1.68*
Form I, II	+3.11**	+1.22* <sup>2</sup>	+0.08*	+0.07* <sup>4</sup>	+1.57*	+0.70* <sup>2</sup>	+1.47* <sup>4</sup>	+0.45* <sup>3</sup>
Form III, IV	+2.03* <sup>2</sup>	+1.18* <sup>2</sup>	.	.	+1.48* <sup>2</sup>	+0.69* <sup>2</sup>	+1.55* <sup>2</sup>	+0.49* <sup>2</sup>
Form V+	+1.00* <sup>2</sup>	+0.41* <sup>2</sup>	.	.	+2.25* <sup>2</sup>	+0.14* <sup>2</sup>	+7.75* <sup>2</sup>	+0.29*
Total	+58.17* <sup>2</sup>	41.83* <sup>2</sup>	18.39* <sup>2</sup>	16.98* <sup>2</sup>	+13.80* <sup>2</sup>	+10.12*	+25.98* <sup>2</sup>	14.72

Education	Total		0-14		15-24		25 and Over	
	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	31.52	37.22	17.97	19.05	2.13	3.67	+11.41	14.50
St. 1-4	+9.26	+8.16	+4.92	+4.43	+1.72	+1.90	+2.61	+1.83
St. 5-8	7.12	+4.93	+1.29*	+1.18*	3.29	+2.81	2.54	+0.95
Form I, II	0.64	+0.41	+0.01	.	0.32	+0.28	0.31	+0.12
Form III, IV	0.39	0.07	.	.	0.16	0.06	0.23	0.01
Form V+	+0.26	0.03	.	.	+0.13	.	0.13	0.03
Total	49.18	+50.82	24.19	+24.65	7.76	8.72	+17.23	+17.45

g. Tana River

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+44.86*	+43.32*	+22.98*	+22.71*	+5.77	+3.51*	+16.10*	+17.10
St. 0-4	2.45*	1.22*	1.36*	0.64*	0.77	0.33*	0.52*	0.20*
St. 5-8	2.23*	0.54*	0.43	.	.52*	.50*	1.23	0.04*
Form I, II	0.22*	.	.	.	.10	.	0.12	.
Form III, IV	0.19	.	.	.	.12	.	0.07	.
Form V+	.	.	.	.	.	.	.	.
Total	49.95	+50.05	24.53	23.34	7.00	+9.37	+18.03	+17.33

<sup>1</sup> These percentages include "not stated".

Machakos, but Kitui, Meru and Embu make large contributions as well. The other large flow is to Coast Province, in this case dominated by Kitui District. Except for Machakos District, Mombasa serves as the destination for the majority of the migrants from each district going to Coast Province. This holds true for both males and females although the ratio of males to females is approximately 2 to 1. From Machakos District the majority moved to Kwale District with almost an equal number of males and females. The third migration stream involves movement to Rift Valley Province. This stream is dominated by movement from Isiolo and Marsabit to Samburu and Turkana District. There is some movement from Marsabit to Laikipia and Uasin Gishu as well. The other important dimension in this third migration flow is the movement from Meru District to Laikipia. In addition, there is some

Table 12: The Movement of Population to and from the Districts of Eastern Province (Percent)

P r o v i n c e s									
	Nairobi	Central	Coast	Eastern	North Eastern	Nyanza	Rift Valley	Western	Total
a. Embu									
In-migration									
-Male	3.7	30.6	1.1	57.4	0.3	2.7	2.0	2.2	100.0
-Female	5.6	36.5	0.7	49.9	0.1	2.4	1.9	2.9	100.0
-Total	4.6	33.3	0.9	53.9	0.2	2.6	2.0	2.5	100.0
Out-migration									
-Male	30.6	28.4	7.9	24.3	0.5	1.1	7.1	0.1	100.0
-Female	22.6	24.8	5.8	35.9	0.9	1.8	8.0	0.2	100.0
-Total	27.4	27.0	7.1	28.9	0.7	1.4	7.4	0.1	100.0
b. Isiolo									
In-migration									
-Male	1.2	14.1	2.5	47.1	16.0	3.6	11.7	3.8	100.0
-Female	2.5	5.7	1.7	46.7	21.9	2.7	17.4	1.4	100.0
-Total	1.7	10.9	2.2	46.9	18.3	3.2	13.9	2.9	100.0
Out-migration									
-Male	9.1	5.7	3.2	25.1	3.5	3.5	49.6	0.3	100.0
-Female	6.3	4.4	1.8	22.7	2.1	1.7	59.0	2.0	100.0
-Total	7.7	5.1	2.5	23.9	2.8	2.6	54.3	1.1	100.0
c. Kitui									
In-migration									
-Male	6.3	15.1	10.3	56.3	1.0	3.4	4.3	3.3	100.0
-Female	8.5	17.8	11.8	53.9	1.4	2.8	2.5	1.3	100.0
-Total	7.3	16.3	11.0	55.2	1.2	3.2	3.4	2.4	100.0
Out-migration									
-Male	29.3	3.7	42.6	19.5	2.0	0.3	2.6	.	100.0
-Female	21.2	3.0	38.6	32.1	2.4	0.5	2.1	0.1	100.0
-Total	26.4	3.5	41.2	23.9	2.1	0.4	2.4	0.1	100.0
d. Machakos									
In-migration									
-Male	7.0	22.8	7.6	44.9	0.7	6.5	5.4	5.1	100.0
-Female	8.5	17.6	5.4	56.5	0.5	5.3	2.8	3.4	100.0
-Total	7.7	20.5	6.6	50.1	0.6	6.0	4.2	4.3	100.0
Out-migration									
-Male	50.3	6.6	26.5	6.0	0.2	1.1	9.0	0.3	100.0
-Female	38.5	6.6	33.5	9.7	0.1	1.0	10.1	0.5	100.0
-Total	46.0	6.6	29.0	7.3	0.2	1.1	9.4	0.4	100.0
e. Marsabit									
In-migration									
-Male	8.3	11.8	1.8	35.4	20.7	2.5	16.4	3.1	100.0
-Female	13.6	5.2	6.1	28.8	28.5	5.2	11.1	1.5	100.0
-Total	10.5	9.1	3.6	32.7	23.9	3.6	14.2	2.4	100.0
Out-migration									
-Male	13.6	2.8	6.4	20.7	11.3	1.1	43.8	0.3	100.0
-Female	11.3	2.3	3.5	27.3	16.8	2.0	36.6	0.2	100.0
-Total	12.5	2.6	5.1	23.7	13.8	1.5	40.5	0.3	100.0

		P r o v i n c e s							
		Nairobi	Central	Coast	Eastern	North Eastern	Nyanza	Rift Valley	Western Total
f. Meru									
In-migration									
-Male	1.7	34.2	2.5	44.0	2.1	5.8	5.1	4.6	100.0
-Female	2.7	27.0	2.0	56.2	0.4	6.3	3.0	2.4	100.0
-Total	2.1	31.0	2.3	49.5	1.3	6.0	4.2	3.6	100.0
Out-migration									
-Male	14.7	13.0	8.2	21.0	0.6	1.6	40.8	0.1	100.0
-Female	13.7	12.0	6.0	39.8	.	2.0	26.4	0.1	100.0
-Total	14.4	12.7	7.6	26.5	0.4	1.7	36.6	0.1	100.0
g. Total									
In-migration									
-Male	5.0	23.7	5.2	47.7	3.4	5.0	5.9	4.1	100.0
-Female	6.7	20.9	4.4	53.2	3.4	4.5	4.2	2.7	100.0
-Total	5.8	22.4	4.8	50.2	3.4	4.8	5.1	3.5	100.0
Out-migration									
-Male	35.9	8.6	24.7	14.2	1.2	1.0	14.2	0.2	100.0
-Female	27.7	7.9	26.3	22.6	1.5	1.1	12.5	0.4	100.0
-Total	32.9	8.3	25.3	17.2	1.3	1.1	13.6	0.3	100.0

movement from Machakos to Kajiado and Nakuru Eistricts. The Meru movement to Laikipia is primarily males. For the balance of this third migration the number of males exceeds that of females but the dominance of males in the sex ratios is less than in the other migration streams from/destination for Eastern Province. Nanyuki served as the 9 per cent of the males and 20 per cent of the females that moved from Eastern Province to Laikipia.

A fourth migration stream is the movement to Central Province. Although this particular migration ranks important in the total out-migration from Embu and Meru Districts, the largest numbers come from Machakos. The majority of people from Machakos move to Kiambu, but some go to Muranga and Nyeri as well. The towns, Thika and Nyeri, feature rather prominently here with Thika receiving 29 per cent of the males moving to Kiambu and Nyeri town one-third of the males moving to Nyeri District. The movement from Embu District is directed primarily toward Nyandarua and the rural parts of Kiambu District. Considerably more males than females are involved. The Meru portion of this migration stream is focused on Kiambu and Nyeri, but there is movement to the other districts of Central Province as well. Again, there are more than 3.5 males for every female.

Several factors emerge from this survey of out-migration from Eastern Province. First, urban areas absorb approximately half of the out-migration. For the two most important sending districts the proportion

moving to one of the eleven major towns approaches two out of three. Of this movement Nairobi and Mombasa are the dominant destinations with the other nine towns absorbing approximately 3 per cent of the total out-migration from Eastern Province. Second, the movement from Isiolo and Marsabit is limited primarily to movement between the two districts and movement to other semi-arid districts in Rift Valley and North-Eastern Province.

As indicated already, the in-migration observed in Eastern Province is dominated by inter-district movement within the Province. The flows from other Provinces are only a small fraction of the number of people flowing in the opposite direction. There are several minor exceptions: Taita to Machakos, Laikipia to Isiolo, and movement from North Eastern Province to Isiolo and Marsabit. The major exception is the movement from Central Province which is relatively more important in the total in-migration process than the movement from Eastern Province to Central Province in the total out-migration process. The largest portion of this movement is into Machakos and originates primarily in Muranga and Kiambu Districts. In addition, there is movement from all districts, except Nyandarua, to both Embu and Meru Districts, with the largest number in the flow from Nyeri to Meru. For all movement from Central to Eastern Province, the ratio of males to females is 1.4 to 1, indicating this migration path, although small in number, may involve both permanent re-settlement and search for employment.

The observed age distribution is consistent with the above analysis of the dominance of out-migration (see Table 13). Only Isiolo and Marsabit Districts indicate above average percentages born outside of Eastern Province. For both of these two districts the significantly below average proportions of the population in the lower age categories would indicate the decline in infant mortality has not occurred here to the same extent as elsewhere in Kenya. In fact, the percentage 0 to 4 years is actually lower than in the 5 to 9 age cohort which may indicate a slight decline in fertility rates. The excess of women and the below average proportions of people in the working age categories is consistent with the hypothesis of out-migration for the purpose of obtaining employment. There is some variation among districts in the age distribution for females. In Embu and Meru Districts it is women ages 20 to 40 years who are under-represented. For Kitui District it is in the school ages of 5 to 19 years where there are a below average number of females. The age distribution for females in

Table 13: The Percentage Distribution of the Age of the Population Enumerated in Eastern Province

a. Total		b. Place of Birth									
		Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
Age	Sex	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4		+9.71	+9.69	+9.40	+9.40	0.11	0.11	0.14	0.13	0.01	0.01
5-9		+8.52	+8.17	+8.27	+7.89	0.10	0.10	0.11	0.12	0.01	0.01
10-14		6.51	+6.34	+6.31	+6.13	0.07	0.08	0.09	0.09	0.01	0.01
15-19		5.13	5.03	+4.88	+4.82	0.11	0.08	0.09	0.08	0.02	0.01
20-24		3.38	3.92	+3.08	+3.70	0.10	0.08	0.15	0.11	0.02	0.01
25-29		2.67	+3.84	+2.41	+3.63	0.09	0.08	0.14	0.08	0.02	0.01
30-34		2.21	+2.82	+1.99	+2.69	0.07	0.06	0.12	0.05	0.02	0.01
35-39		1.93	2.34	+1.75	+2.23	0.07	0.05	0.09	0.03	0.01	0.02
40-49		3.19	+3.78	+2.95*	+3.60	0.09	0.08	0.11	0.06	0.03	0.02
50-59		2.14	+2.49	+1.97	+2.39	0.07	0.05	0.05	0.03	0.03	0.02
60-69		1.54	+1.51	+1.45	+1.43	0.04	0.03	0.02	0.02	0.02	0.02
70+		+1.49	+1.64	+1.43	+1.56*	0.03	0.04	0.02	0.03	0.01	0.01
Total		48.43	+51.57	+45.88	+49.46	0.93	0.84	1.13	0.83	0.21	0.15

(n=1,896,297)

b. Embu

Age	1	2	3	4	5	6	7	8	9	10
0-4	+10.70	+10.75	+10.39*	+10.53*	0.13	0.05	0.17	0.20	. .	0.01
5-9	+8.74	+8.48	+8.52	+8.24	0.10	0.08	0.14	0.17	. .	. .
10-14	5.91	+6.17	+5.66	+5.92	0.11	0.12	0.13	0.14	. .	. .
15-19	4.95	4.78	+4.60	+4.49	0.26	0.16	0.10	0.13	0.01	. .
20-24	3.18	4.00	+2.69	+3.35	+0.28	0.20	0.18	0.23	0.01	0.01
25-29	2.67	3.64	+2.25	+3.26	+0.27	0.19	0.15	0.15	0.01	. .
30-34	2.19	2.70	+1.89	+2.41	0.17	0.17	0.13	0.11	0.01	0.01
35-39	2.04	2.35	+1.72	+2.15	0.15	0.09	0.15	0.09	0.01	. .
40-49	2.79	+3.35	+2.50	+3.04	0.15	0.19	0.13	0.14	0.01	0.01
50-59	1.90	2.09	1.61	+1.93	+0.20	0.10	0.07	0.05	0.02	0.01
60-69	1.20	+1.61	1.09	+1.55	0.05	0.03	0.06	0.02	0.01	. .
70+	+1.72	+2.09*	+1.64*	+1.95*	0.06	+0.09	0.03	0.04	. .	. .
Total	47.99	+52.01	+44.55	+49.04	1.92	1.46	1.43	1.47	0.08	0.05

(n=176,639)

c. Isiolo

Age	6.68**	6.41**	5.86**	5.78*	+0.28	+0.28	0.47	0.37	0.02	0.01
0-4	+8.40	7.80	+7.53	+7.00	+0.45	0.26	0.44	0.56	0.02	.
5-9	+6.80	+6.43	+6.12	+5.85	+0.34	+0.25	0.37	0.37	0.02	0.02
10-14	+6.11*	+5.31	+4.61	+4.38	+0.85*	+0.46	0.62	0.39	0.02	0.03
15-19	+5.14	+4.82*	2.45	+3.49	+1.00*	+0.47	+1.58	0.65	+0.08	+0.22
20-24	+3.51	3.66	1.97	2.63	+0.70	+0.47	0.78	0.51	0.06	0.02
25-29	+3.43	+2.89	+2.01	+2.49	+0.61*	+0.20	+0.74	0.20	0.05	0.02
30-34	+2.84	2.20	+1.61	1.62	+0.58*	+0.37	+0.65	0.22	0.02	0.01
35-39	+4.18*	+3.94*	+2.62	+2.73	+0.69	+0.47	+0.76	+0.64	0.07	+0.09
40-49	+2.41	2.01	1.42	1.45	+0.41	+0.27	+0.44	+0.24	+0.10	+0.06
50-59	1.58	+1.59	0.87	0.92	+0.27	+0.34*	+0.31	+0.31*	+0.12	+0.03
60-69	0.77	1.11	0.36	0.61	+0.28*	+0.26	0.08	+0.21	+0.06	+0.03
70+	+51.84	48.16	37.44	38.94	+6.45	+4.09	+7.25	4.66	0.63	0.54
Total										

(n=29,643)



Table 13: Con't

d. Kitui

Age											
0-4	+9.76	+9.68	+9.61	+9.60	0.04	0.03	0.10	0.08	. .	. .	
5-9	7.99	7.79	+7.90	+7.71	0.04	0.04	0.06	0.05	. .	. .	
10-14	6.38	6.07	+6.27	+5.94	0.05	0.05	0.06	0.06	. .*	. .	
15-19	4.60	4.69	+4.54	+4.57	0.05	0.06	0.03	0.05	. .	. .	
20-24	3.05	+4.18	+2.91	+4.06	0.06	0.08	0.05	0.04	. .	. .	
25-29	2.30	+4.08	+2.18	+3.99	0.07	0.06	0.04	0.02	0.01	. .	
30-34	2.08	+3.35*	+2.00	+3.28*	0.05	0.04	0.03	0.03	0.01	. .	
35-39	2.01	+2.80	+1.93	+2.75*	0.05	0.03	0.03	0.02	0.01	. .	
40-49	3.26	+4.13*	+3.17	+4.03*	0.05	0.06	0.04	0.04	0.01	0.01	
50-59	+2.46	+2.89*	+2.38	+2.84*	0.06	0.04	0.02	0.01	0.01	. .	
60-69	+1.87	1.76	+1.82	+1.71	0.04	0.02	. .	0.01	. .	. .	
70+	+1.30	+1.53	+1.23	+1.46	0.05	0.03	0.02	0.04	. .	. .	
Total	47.06	+52.94	+45.93	+51.94*	0.61	0.52	0.47	0.45	0.05	0.03	

(340,612)

e. Machakos

Age											
0-4	+9.95	+9.99	+9.62	+9.65	0.17	0.20	0.16	0.14	0.01	0.01	
5-9	+8.76	+8.35	+8.48	+8.03	0.14	0.16	0.12	0.14	0.01	0.02	
10-14	+6.86	+6.70	+6.68	+6.49	0.08	0.09	0.10	0.10	. .	0.01	
15-19	+5.34	+5.18	+5.09	+4.98	0.13	0.09	0.12	0.10	. .	. .	
20-24	2.95	3.57*	+2.70	+3.41	0.08	0.06	0.16	0.09	0.01	0.01	
25-29	2.58	+3.89	+2.34	+3.70	0.07	0.09	0.15	0.09	0.01	0.01	
30-34	1.96	2.68	+1.74	+2.58	0.07	0.05	0.14	0.05	0.01	0.01	
35-39	1.62	2.22	1.44	+2.13	0.06	0.07	0.10	0.03	0.01	0.01	
40-49	3.10	+4.09*	+2.85	+3.97*	0.11	0.09	0.13	0.04	0.02	0.01	
50-59	+2.36	+2.56	+2.21	+2.46	0.08	0.05	0.05	0.02	0.02	0.01	
60-69	1.34	1.28	1.27	+1.23	0.04	0.05	0.02	0.02	0.01	0.01	
70+	+1.24	+1.43	+1.23	+1.36	0.01	0.05	0.01	0.01	0.01	. .	
Total	48.05	+51.95	+45.64	+50.00	1.02	1.05	1.25	0.81	0.13	0.10	

(n=705,271)

f. Marsabit

Age											
0-4	7.17*	6.78*	6.36*	6.02*	0.08	0.07	0.64	0.61	+0.13*	0.03	
5-9	8.03	6.79*	7.07	5.81	0.12	0.17	0.62	0.63	+0.14	+0.09	
10-14	+7.16	5.61	+6.34	5.04	0.03	. .	+0.61	0.44	+0.23* <sup>4</sup>	+0.15*	
15-19	+5.82	4.69	+4.44	3.79	0.12	0.08	0.59	0.50	+0.73* <sup>4</sup>	+0.29**	
20-24	+5.03	3.91	+3.82	+3.13	0.15	0.07	0.79	0.55	+0.31*	+0.17	
25-29	+3.98	+3.78	+2.85*	2.74	0.10	0.14	0.63	0.48	+0.44**	+0.37*	
30-34	+3.42	+3.73**	+2.50*	+3.22*	0.05	0.01	0.56	+0.34	+0.35*	+0.14	
35-39	+3.37*	+2.40	+2.79**	1.86	0.12	0.01	0.34	0.16	0.15	+0.38**	
40-49	+4.55*	+3.69	+3.45*	+2.90	0.17	0.07	0.55	0.33	+0.41* <sup>3</sup>	+0.41*	
50-59	+2.47	+2.44	1.19	+1.92	0.14	0.01	0.28	0.17	+0.80* <sup>3</sup>	+0.35** <sup>3</sup>	
60-69	1.44	+1.86	1.03	+1.29	. .	. .	0.13	+0.19	+0.27* <sup>3</sup>	+0.38* <sup>3</sup>	
70+	1.02	0.88	0.66	0.50	. .	. .	0.12	+0.17	+0.23* <sup>3</sup>	+0.21* <sup>3</sup>	
Total	+53.46	46.54	+42.50	38.21	1.09	0.62	5.85	4.57	+4.18**	+2.97*	

(n=50,782)

g. Meru

Age											
0-4	9.48	9.43	+9.34	+9.29	0.07	0.07	0.06*	0.08	. .	. .	
5-9	+8.49	+8.21	+8.11	+8.10	0.06	0.05	0.06	0.06	. .	0.01	
10-14	6.29	+6.18	+6.20	+6.08	0.05	0.06	0.04	0.04	. .	. .	
15-19	5.13	+5.14	+5.05	+5.07	0.04	0.05	0.04	0.02	. .	0.01	
20-24	3.89	4.13	+3.77	+4.01	0.04	0.05	0.07	0.06	. .	. .	
25-29	2.84	3.74	+2.70	+3.65	0.04	0.04	0.10	0.04	0.01	0.01	
30-34	2.43	2.63	+2.32	+2.58	0.03	0.04	0.07	0.02	0.01	0.01	
35-39	2.07	2.22	+1.99	+2.19	0.03	0.02	0.05	0.01	0.01	0.01	
40-49	3.20	3.32	+3.07	+3.26	0.04	0.04	0.06	0.02	0.01	0.01	
50-59	1.72	+2.11	1.68	+2.29	0.02	0.03	0.02	0.01	0.01	0.02	
60-69	+1.69	+1.55	+1.65	+1.52	0.02	0.01	0.01	0.01	0.01	0.01	
70+	+1.91*	+1.93*	+1.89*	+1.90*	0.01	0.01	0.01	0.01	. .	. .	
Total	49.19	+50.81	+48.10	+49.93	0.44	0.46	0.58	0.37	0.06	0.06	

(n=593,350)

Machakos indicates both types of out-migration: a significant number in the 20 to 24 age category and then some additional out-migration of women in their thirties. This is consistent with the relative importance of out-migration for the purpose of employment and some re-settlement to Kwale District. In-migration from outside of Kenya is at a significant level in Marsabit District only.

The distribution of the levels of education completed is consistent with our expectations for a rural Province experiencing considerable out-migration. In most districts there are above average proportions without formal education (or not stated) cells. Conversely, the amount of education completed is below average, especially at the higher levels. The exceptions are primarily in standards 1 to 4 in Embu, Meru and Machakos Districts. The degree to which the amount of education completed is below the Kenya average is significant in Isiolo, Marsabit and, to a lesser extent, Kitui Districts. The extent to which the proportion of females without formal education exceeds that of the males is greater than the excess of females over males in the total population. Therefore, Eastern Province appears to have below average access to education and the ability to retain the educated within the Province is very low.

Table 14: The Percentage Distribution of the Level of Education Completed in Different Age Groups in Eastern Province.

a. Total		A G E							
		Total		0-14		15-24		25 and Over	
		Male	Female	Male	Female	Male	Female	Male	Female
Education									
None <sup>1</sup>		+33.81	+42.49	+20.35	+20.55	2.54	5.01	+10.92	+14.92
St. 1-4		+7.64	5.73	3.87	3.26	+2.06	+1.59	1.71	.87
St. 5-8		5.95	3.08	.53	.38	3.27	2.14	2.16	.56
Form I, II		.68	.19	. .	. .	.46	.15	.22	.03
Form II, IV		.27	.06	. .	. .	.17	.04	.11	.02
Form V+		.08	.03	. .	. .	.02	.01	.05	.01
Total		48.43	+51.56	+24.75	+24.19	8.51	8.96	15.17	16.42
b. Embu									
Education		Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>		31.1	+40.71	+20.26	+20.70	1.89	4.52	+8.94	+15.48
St. 1-4		+7.71	+6.61	+4.34	+4.07	+1.57	+1.36	1.80	+1.18
St. 5-8		+7.58	+4.20	.74	.62	+3.66	+2.50	+3.18	+1.07
Form I, II		1.01	.38	. .	.01	.68	.30	.33	.07
Form III, IV		.44	.10	. .	. .	.27	.08	.18	.02
Form V+		.14	.02	. .	. .	.06	.01	.09	.01
Total		47.99	+52.02	+25.34	+25.40	8.14	8.78	14.51	+17.83
c. Isiolo									
Education		Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>		+42.50*	+45.24	+19.79	19.42	+6.92*	+8.83	+15.79*	+16.99
St. 1-4		3.87*	1.84*	1.91*	1.18*	1.20	.48	.77*	.18*
St. 5-8		4.15	.78*	.17*	.04	2.38	.55	1.60	.19*
Form I, II		.87	.05	. .	. .	.53	.04	.33	.01
Form II, IV		.28	.03	. .	. .	.13	.02	.14	.01
Form V+		.17	.22	. .	. .	.09	+21* <sup>3</sup>	.09	.01
Total		+51.84	48.16	21.87*	20.64*	+11.25*	+10.13*	+18.72	+17.39
d. Kitui									
Education		Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>		+36.60	+47.46*	+20.97	+21.17	+2.87	+6.39	+12.76	+19.90*
St. 1-4		5.49	3.38	2.79	2.13	+1.79	.94	.91*	.30*
St. 5-8		4.42	1.96	.36	.24	2.70	1.42	1.36	.30
Form I, II		.39	.15	. .	. .	.22*	.09	.17	.06
Form III, IV		.13	.03	. .	. .	.07	.03	.06*	.01
Form V+		.04	.01	. .	. .	.01	. .	.03	.01
Total		47.06*	+52.98	24.12	23.54	7.66	8.86	15.29	+20.58*
e. Machakos									
Education		Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>		31.63	+41.40	+20.55	+20.99	1.67	4.04	9.42	+16.37
St. 1-4		+8.96	+7.05	4.44	+3.69	+2.57	+2.27*	+1.96	1.09
St. 5-8		6.37	3.26	.58	.35*	3.45	2.28	2.35	.63
Form I, II		.76	.17	. .	.01	.48	.13	.28	.63
Form III, IV		.25	0.05	. .	. .	.12	.03	.13	.03
Form V+		.07	.02	. .	. .	.02	.01	.05	.01
Total		48.05	+51.95	+25.57	+25.04	8.30	8.76	14.19	+18.16

f. Marsabit

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+44.68*	+44.69	18.01	17.88	+7.70*	+8.30*	+18.98* <sup>2</sup>	+18.51*
St. 1-4	5.34	1.57*	+4.11	1.28*	.94	.17*	.29*	.12*
St. 5-8	2.36*	.15*	0.24*	.02*	1.37*	.10*	.74	.03*
Form I,II	.85	.03*	. .	. .	+7.74	.01*	.11	.02
Form III,IV	.08	.06	. .	. .	.07	0.01	.01*	.04
Form V+	.15	.04	. .	. .	.03	. .	.12	.04
Total	+53.46*	46.54*	22.36*	19.18*	+10.85	8.60	+20.24*	+18.77

g. Meru

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+34.21	+41.13	+20.02	+19.93	+2.90	+5.05	+11.30	+16.16
St. 1-4	+7.69	5.80	3.76	+3.43	+1.91	1.41	+2.02	.96
St. 5-8	6.24	3.55	.53	.46	3.47	+2.55	2.24	.54
Form I,II	.62	.21	. .	. .	.47	.19	.15	.03
Form III,IV	.35	.09	. .	. .	.25	.06	.10	.03
Form V+	.08	.03	. .	. .	.02	.01	.05	.02
Total	49.19	+50.81	+24.31	23.83	9.02	+9.27	15.86	+17.72

<sup>1</sup> These percentages include "not stated".

5. North-Eastern Province

North-Eastern Province is of little significance in the inter-district movement of Kenya. It provides less than one per cent of the out-migrants and receives less than one per cent of all in-migrants. The largest single flow is internal to the Province, movement from Mandera to Wajir. This particular flow is dominated by females. There is some movement in the opposite direction, with 1.2 males for every female. The second most important in-migration stream is from Mombasa to Wajir, involving 1.4 males for every female (see Appendix C). Other flows of some magnitude are Kitui to Garissa, Marsabit to Wajir and Marsabit to Mandera. For out-migration, next to the internal flows noted above, the important flows are from Garissa to Kakamega, Garissa to Siaya and Wajir to Isiolo (see Appendix D). The sex-ratio in each of these inter-provincial flows is close to one.

Table 16 indicates the below average proportions of in-migrants from either North-Eastern Province or from elsewhere in Kenya. The few exceptions are for males in several age categories in Wajir District. What evidence there is of out-migration is in the age categories above 35 years, with a few exceptions among females where some lower age cohorts indicate below average proportions as well. The below average proportions of very

Table 15: The Movement of Population to and from the Districts of North-Eastern Province (percent)

P r o v i n c e s									
	Nairobi	Central Coast	Eastern North- Eastern	Nyanza	Rift Valley	Western	Total		
a. Garissa									
In-migration									
-Male	. .	10.7	37.2	35.1	6.1	1.6	4.1	5.2	100.0
-Female	. .	1.6	34.6	45.0	15.4	. .	1.4	2.0	100.0
-Total	. .	9.7	24.8	35.7	21.6	1.9	2.8	3.5	100.0
Out-migration									
-Male	6.8	3.1	12.9	13.9	8.6	21.9	3.9	28.9	100.0
-Female	7.1	2.3	12.0	12.6	6.4	30.6	4.1	24.9	100.0
-Total	6.9	2.8	12.5	13.4	7.7	25.5	4.0	27.2	100.0
b. Mandera									
In-migration									
-Male	0.7	5.2	1.6	24.9	53.8	6.5	4.9	2.4	100.0
-Female	. .	7.8	. .	36.8	52.6	2.6	0.2	. .	100.0
-Total	0.5	5.9	1.1	28.3	53.5	5.4	3.6	1.7	100.0
Out-Migration									
-Male	8.3	3.2	2.4	11.1	55.4	2.4	16.9	0.3	100.0
-Female	4.9	2.0	1.9	15.9	52.1	4.2	18.8	0.2	100.0
-Total	6.7	2.6	2.2	13.3	53.9	3.2	17.8	0.3	100.0
c. Wajir									
In-migration									
-Male	1.1	5.7	40.9	11.5	28.4	1.7	9.1	1.6	100.0
-Female	. .	1.8	40.7	14.6	34.7	1.2	6.4	0.6	100.0
-Total	0.7	4.1	40.8	12.7	30.9	1.5	8.0	1.3	100.0
Out-migration									
-Male	8.8	1.7	11.5	25.9	29.8	0.2	21.9	0.2	100.0
-Female	6.6	2.0	16.0	24.3	19.2	0.2	31.3	0.4	100.0
-Total	7.8	1.8	13.5	25.3	25.1	0.2	26.0	0.3	100.0
d. Total									
In-migration									
-Male	0.8	6.6	33.8	18.4	28.1	2.5	7.4	2.4	100.0
-Female	. .	2.4	35.3	22.1	33.4	1.2	4.8	0.8	100.0
-Total	0.5	5.0	34.4	19.8	30.1	2.0	6.4	1.8	100.0
Out-migration									
-Male	7.2	3.1	10.1	15.9	28.4	10.2	16.9	8.2	100.0
-Female	5.7	2.7	9.7	16.4	25.5	11.9	21.3	6.8	100.0
-Total	6.6	2.9	9.9	16.1	27.1	11.0	18.8	7.6	100.0

Table 16: The Percentage Distribution of the Age of the Population Enumerated in North-Eastern Province

a. Total		Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
0-4	7.92*	6.81*	7.55	6.55*	0.09	0.07	0.23	0.15	0.04	0.04	
5-9	+8.87	7.35	+8.47	+7.04	0.15	0.07	0.21	0.19	0.05	0.03	
10-14	+8.46*	+6.69	+8.07	+6.44	0.13	0.05	0.20	0.18	0.05	0.01	
15-19	+7.00**	+5.25	+6.55*	+4.99	0.11	0.10	0.31	0.14	0.03	0.02	
20-24	+5.75*	+4.13	+5.21**	+3.87	0.10	0.07	0.43	0.17	0.02	0.03	
25-29	+3.60	3.51	+3.19*	+3.34	0.08	0.03	0.31	0.12	0.03	0.02	
30-34	+3.36	+3.49	+2.97*	+3.30*	0.09	0.08	0.23	0.08	0.06	0.04	
35-39	2.01	1.75*	+1.82	1.65	0.01	0.03	0.16	0.05	0.01	0.01	
40-49	+3.40	3.01	+3.19	+2.91	0.07	0.06	0.11	0.08	0.03	0.02	
50-59	1.83*	1.83	+1.73	1.71	0.03	0.03	0.07	0.08	0.01	0.01	
60-69	1.50	1.11	+1.40	1.04	0.02	0.03	0.06	0.03	0.02	0.02	
70+	0.74	0.61*	0.63	0.55	0.04	0.03	0.03	0.03	0.03	0.01	
Total	+54.42*	45.59*	+50.78*	+43.38	0.92	0.64	2.35	1.29	0.39	0.27	
(n=245,316)											
b. Garissa											
Age											
0-4	8.74	7.54*	+8.58	7.37	0.01	0.02	0.12	0.14	0.03	0.01	
5-9	+9.28*	+8.16	+9.07*	+8.03	0.02	.	0.16	0.13	0.04	.	
10-14	+8.20*	+6.40	+8.06*	+6.28	0.03	0.01	0.13	0.11	.	.	
15-19	+6.31*	+5.16	+6.04*	+4.94	0.02	0.01	0.22	0.20	0.02	0.02	
20-24	+5.16	3.92	+4.51*	+3.72	0.03	0.03	0.62	0.16	0.01	0.02	
25-29	+3.63	+3.97	+3.30*	+3.81	.	0.01	0.32	0.12	0.01	0.03	
30-34	+3.53*	+3.60*	+3.15**	+3.53*	.	0.02	0.36	0.03	0.02	0.04	
35-39	1.91	1.71*	+1.74	1.64	.	0.03	0.16	0.04	.	.	
40-49	+3.40	2.90	+3.25	+2.79	0.02	0.05	0.12	0.07	.	.	
50-59	1.90	1.42*	+1.82	1.35	0.01	0.02	0.07	0.04	.	0.02	
60-69	1.22*	1.00	1.17	0.92	0.01	.	0.03	0.03	0.01	+0.05	
70+	0.54*	0.40*	0.47	0.37*	.	0.01	0.03	.	+0.03	+0.03	
Total	+53.82*	46.18*	+51.17*	+44.74	0.15	0.19	2.23	1.05	0.17	0.20	
(n=64,397)											
c. Mandera											
Age											
0-4	7.74*	6.65*	7.65	6.64*	0.05	0.02	0.01*	0.01*	0.03	.	
5-9	+3.77	7.22*	+8.66	+7.16	0.08	0.01	0.03	0.02	0.03	.	
10-14	+8.56*	+6.55	+8.37*	+6.48	0.06	0.02	0.07	0.05	0.04	0.01	
15-19	+7.61**	+5.39*	+7.32**	5.28*	0.13	0.05	0.10	0.04	+0.06	0.01	
20-24	+6.05*	4.06	+5.79**	+3.99	0.06	0.03	0.21	0.01	0.02	.	
25-29	+3.28	3.03*	+3.06*	+3.01	0.09	.	0.12	0.01	0.02	.	
30-34	+2.95	+3.41*	+2.74*	+3.33*	0.12	0.04	0.05	0.01	0.03	0.02	
35-39	1.83	1.82*	+1.79	1.77	0.02	0.01	0.02	0.02	0.01	0.02	
40-49	+3.57	3.23	+3.49*	+3.16	0.06	0.03	0.01	0.02	0.02	0.02	
50-59	1.87*	1.93	+1.81	+1.85	0.04	0.04	0.01	0.02	0.01	0.01	
60-69	+1.70	1.12	+1.68	1.11	0.01	.	.	0.01	0.01	0.01	
70+	0.82	0.85	0.76	0.82	0.02	0.01	0.01	0.02	0.01	.	
Total	+54.75*	45.25*	+53.09*	+44.58	0.74	0.28	0.63	0.26	0.32	0.11	
(n=94,746)											

Table 16: Con't

d. Wajir

Age											
0-4	7.50*	6.44**	6.69*	5.86*	0.19	0.17	0.56	0.30	+0.06	+0.11	
5-9	+8.66	6.87*	7.82	6.18	+0.33	0.20	0.46	0.42	+0.07	+0.08	
10-14	+8.53*	+7.05	+7.75*	+6.52	+0.29	0.11	0.39	0.39	+0.11*	0.03	
15-19	+6.85*	+5.16	+6.08*	+4.70	0.16	0.22	0.60	0.22	0.01	0.03	
20-24	+5.85*	+4.38	+5.09**	+3.84	0.19	0.13	0.54	0.34	0.02	+0.07	
25-29	+3.94	3.70	+3.25*	+3.34	0.12	0.09	0.51	0.24	0.06	+0.04	
30-34	+3.67*	+3.51*	+3.10**	+3.00*	0.12	0.15	0.33	0.19	+0.10	0.06	
35-39	2.27	1.69*	+1.92	1.54	0.01	0.05	0.31	0.09	0.03	0.01	
40-49	3.21	3.00	+2.82	+2.71	0.13	0.10	0.22	0.16	0.05	0.03	
50-59	1.74*	2.04	1.57	+1.83	0.04	0.03	0.12	0.17	0.01	0.02	
60-69	1.49	1.18	1.26	+1.06	0.03	0.07	0.16	0.04	0.04	0.01	
70+	0.79	0.50	0.59	0.38	+0.09	0.07	0.06	0.05	+0.06	.	.
Total	+54.49	45.51	+47.94	41.03	1.69	1.38	4.25	2.60	0.63	0.49	
									(n=86,173)		

young children would indicate either a number of parents with young children have left recently, there has been a decline recently in the fertility rate, or an increase in the infant mortality rate has occurred. The size of the migration flows are too small to determine the type of migrants involved from the age structure in the receiving areas. The large excess of males over females in all three districts <sup>would indicate it</sup> is more difficult to be a woman in North-Eastern Province than elsewhere in the world.

Also, the extent of educational achievement in North-Eastern Province is very low. The proportions without formal education is significantly above average in all three age groups while the proportions having completed given levels of education in each age grouping is below average in all cases. The low level of education, the low propensity to migrate and the below average population growth may well be some function of some other common factor.

#### 6. Nyanza Province

The movement to and from the districts of Nyanza Province are large and the types of migration flows involved difficult to explain. The movements into and out of each district are larger than the total flows in and out of North-Eastern Province. Kisii and South Nyanza Districts are net receivers of people from elsewhere while Kisumu and Siaya experience a net loss of people. Because of the importance of Nairobi as a source of migration for Kisii and South Nyanza Districts, the internal movement in Nyanza Province accounts for only 28 per cent of all in-migration and 26 per cent of total out-migration.

Table 17: The Percentage Distribution of the Level of Education Completed in Different Age Groups in North-Eastern Province

a. Total

Education	A G E							
	Total		0-14		15-24		25 and Over	
	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+51.86* <sup>2</sup>	+45.89	+24.37*	+20.67	+11.63* <sup>2</sup>	+9.30*	+15.86*	+15.62
St. 1-4	1.23* <sup>2</sup>	0.23*	0.78*	0.17*	0.28* <sup>2</sup>	0.04*	0.17*	0.02*
St. 5-8	0.96	0.05*	0.09	.	0.60*	0.04*	0.27*	0.01*
Form I, II	0.23	0.02*	.	.	0.17*	0.01*	0.06*	0.01
Form III, IV	0.10	.	.	.	0.06	.	0.04*	.
Form V+	0.04	0.01	.	.	0.01	.	0.03	0.01
Total	+54.42*	45.88*	+25.24	20.84*	+12.75*	+9.38	16.43	15.66

b. Garissa

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+50.65* <sup>2</sup>	+46.04*	+24.94**	+22.04*	+10.15* <sup>2</sup>	+9.04*	+15.56*	+14.96
St. 1-4	1.73*	0.09*	1.17*	0.06*	0.42*	0.01*	0.14*	0.03*
St. 5-8	1.03*	0.05*	0.12*	0.01*	0.61*	0.03*	0.30*	0.01*
Form I, II	0.25*	.	.	.	0.18*	.	0.07*	.
Form III, IV	0.14	.	.	.	0.12	.	0.03*	.
Form V+	0.02	0.01	.	.	.	.	0.02	0.01
Total	+53.82*	46.18*	+26.22	22.10	+11.47*	9.08	16.12	15.00

c. Mandera

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+53.30* <sup>2</sup>	+45.09	+24.70* <sup>2</sup>	+20.33	+12.84* <sup>2</sup>	+9.40*	+15.77*	+15.36
St. 1-4	0.58* <sup>2</sup>	0.14*	0.31* <sup>2</sup>	0.09*	0.19* <sup>2</sup>	0.04*	0.08*	0.01*
St. 5-8	0.72*	0.02*	0.06*	.	0.52*	0.01*	0.13*	0.01*
Form I, II	0.12*	.	.	.	0.08*	.	0.03*	.
Form III, IV	0.02	.	.	.	0.02	.	.	.
Form V+	0.01	.	.	.	0.01	.	.	.
Total	+54.75*	45.25*	+25.08	20.42*	+13.66* <sup>2</sup>	+9.45	16.01	15.38

d. Wajir

Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+51.17* <sup>2</sup>	+44.94	+23.58*	+20.03	+11.40* <sup>2</sup>	+9.37*	+16.19*	+15.55
Stp 1-4	1.57*	0.42*	1.01*	0.33*	0.27* <sup>2</sup>	0.06*	0.29*	0.02*
St. 5-8	1.18*	0.09*	0.10*	.	0.67*	0.09*	0.41*	.
Form I, II	0.35*	0.04	.	.	0.27	0.02*	0.09	0.02
Form III, IV	0.14	0.01	.	.	0.07	.	0.08	0.01
Form V+	0.08	0.01	.	.	0.02	.	0.07	0.01
Total	+54.49*	45.51*	+24.69	20.36*	+12.69*	+9.54	+17.12	15.61

<sup>1</sup> These percentages include "not stated".



Within Nyanza Province the largest population flows are between Kisumu and Siaya (both directions), Kisumu and South Nyanza (both directions), Kisii to Kisumu and Siaya to South Nyanza. With the exception of the movement from Kisii to Kisumu, where the sex ratio is 1.5 to 1, the number of females exceeds that of males in each of these internal flows. The range is from almost equal for the movement from South Nyanza to Siaya to 2.5 females for every male in the flow from Kisumu to Siaya. For the movement into Kisumu District, Kisumu town absorbs 36 per cent of the migrants. The range here is from approximately one-half for the flow from Siaya District to 14 per cent of the flow from Kisii District. The ratio of males to females in this movement into Kisumu town is 1.4 to 1 except for the flow from Kisii where it is 1.9 to 1. This would indicate the flows from Siaya and South Nyanza Districts into rural Kisumu District are dominated by females.

The largest single flow into Nyanza Province is from Nairobi which accounts for 51 per cent of the total. These flows are primarily to Kisii and South Nyanza Districts, but significant numbers move into the other districts as well. Kisumu town is not important here since it absorbs only 5 per cent of the movement from Nairobi to Kisumu District. The ratio of males to females is unity for this migration stream (1.1 to 1 for South Nyanza). Therefore, this suggests the possibility of large numbers of children being sent out from Nairobi to these districts or the movement to Nyanza Province of families in which all or most members were born in Nairobi.

The other important in-migration stream is from Western Province. This involves movement from Kakamega to Kisumu, Busia to Siaya and Kakamega to Siaya. Kisumu town plays an important role here, absorbing more than half of this flow into Kisumu District. The ratio of males to females in the flow from Kakamega District to rural Kisumu District is 1.1 to 1, while in the other two flows from Western Province to Nyanza Province the majority are females. The sex-ratio for the movement into Kisumu town is 1.4 to 1. There is also a relatively small flow from Nakuru District to Siaya (of which the majority are females), and another small flow from Kiambu to Kisumu District. Only 9 per cent of the latter flows to Kisumu town and the ratio of males to females is

Table 18: The Movement of Population to and from the Districts of Nyanza Province (per cent)

	P r o v i n c e s								Total
	Nairobi	Central	Coast	Eastern	North-Eastern	Nyanza	Rift Valley	Western	
a. Kisii									
In-migration									
-Male	82.2	2.0	0.4	0.7	0.2	6.7	3.8	4.0	100.0
-Female	82.7	1.7	0.3	0.5	0.1	5.6	3.2	5.9	100.0
-Total	82.4	1.9	0.4	0.6	0.2	6.1	3.5	4.9	100.0
Out-migration									
-Male	9.3	4.0	3.8	1.7	0.4	16.6	62.9	1.3	100.0
-Female	7.7	4.6	2.7	1.8	0.1	19.8	62.0	1.3	100.0
-Total	8.7	4.2	3.4	1.7	0.3	17.8	62.6	1.3	100.0
b. Kisumu									
In-migration									
-Male	15.1	11.7	1.5	2.4	0.3	39.9	4.9	24.2	100.0
-Female	16.5	10.0	1.6	1.3	0.4	47.0	4.0	19.2	100.0
-Total	15.8	10.8	1.5	1.9	0.3	43.4	4.5	21.8	100.0
Out-migration									
-Male	25.7	3.6	13.5	1.4	0.1	17.6	35.4	2.7	100.0
-Female	18.6	2.4	9.5	1.3	. .	39.9	24.2	4.1	100.0
-Total	22.3	3.0	11.6	1.3	0.1	28.2	30.1	3.4	100.0
c. Siaya									
In-migration									
-Male	23.0	3.6	5.5	1.7	2.7	28.4	11.6	23.5	100.0
-Female	14.1	2.5	4.4	0.7	1.8	36.7	8.3	31.5	100.0
-Total	17.6	2.9	4.8	1.1	2.2	33.4	9.6	28.4	100.0
Out-migration									
-Male	34.2	3.5	11.6	1.2	0.1	21.4	21.0	7.0	100.0
-Female	26.0	2.3	8.4	0.8	0.1	33.7	15.6	13.1	100.0
-Total	30.6	3.0	10.2	1.0	0.1	26.8	18.6	9.7	100.0
d. South Nyanza									
In-migration									
-Male	64.0	0.5	1.1	0.5	0.8	27.0	3.7	2.4	100.0
-Female	52.7	0.5	0.5	0.4	0.6	40.8	2.2	2.3	100.0
-Total	57.9	0.5	0.8	0.4	0.7	34.5	2.9	2.3	100.0
Out-migration									
-Male	19.4	3.5	11.5	0.9	0.1	21.6	41.2	1.8	100.0
-Female	16.4	1.8	8.4	1.3	. .	37.1	30.7	4.3	100.0
-Total	18.1	2.8	10.2	1.1	0.1	28.0	36.9	2.8	100.0
e. Total									
In-migration									
-Male	53.7	4.0	1.4	1.2	0.7	23.7	4.9	10.4	100.0
-Female	47.7	3.1	1.3	0.6	0.6	31.5	3.8	11.4	100.0
-Total	50.6	3.5	1.3	1.0	0.6	27.8	4.3	10.9	100.0
Out-migration									
-Male	23.8	3.6	11.1	1.3	0.1	18.9	37.9	3.3	100.0
-Female	18.6	2.6	8.0	1.2	. .	34.8	28.9	5.9	100.0
-Total	21.5	3.2	9.7	1.3	0.1	25.9	33.9	4.4	100.0

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The largest single flow into Nyanza Province is from Nairobi which accounts for 51 percent of the total. These flows are primarily to Kisii and South Nyanza Districts, but significant numbers move into the other districts as well. Kisumu town is not important here since it absorbs only 5 per cent of the movement from Nairobi to Kisumu District. The ratio of males to females is unity for this migration stream (1.1 to 1 for South Nyanza). Therefore, this suggests the possibility of large numbers of children being sent out from Nairobi to these districts or the movement to Nyanza Province of families in which all or most members were born in Nairobi.

The other important in-migration stream is from Western Province. This involves movement from Kakamega to Kisumu, Busia to Siaya and Kakamega to Siaya. Kisumu town plays an important role here, absorbing more than half of this flow into Kisumu District. The ratio of males to females in the flow from Kakamega District to rural Kisumu District is 1.1 to 1, while in the other two flows from Western Province to Nyanza Province the majority are females. The sex-ratio for the movement into Kisumu town is 1.4 to 1. There is also a relatively small flow from Nakuru District to Siaya (of which the majority are females), and another small flow from Kiambu to Kisumu District. Only 9 per cent of the latter flows to Kisumu Town and the ratio of males to females is 1.9 to 1 for the movement into Kisumu town and 1.1 to 1 into rural Kisumu District.

Therefore, there is movement into Kisumu town and one flow from Kisii District to rural Kisumu District with characteristics which suggest search for employment. All the other flows involve characteristics which suggest the movement of children and the movement of families. The prominence of females in most of these flows is not as obvious in most of the other inter-district flows in Kenya and cannot readily be explained within the analytical framework developed for this paper.

The pattern of out-migration from Nyanza Province to other parts of Kenya focuses primarily on Rift Valley, Nairobi and Coast Provinces. The movement to Rift Valley Province is dominated by Kisii District, accounting for 62 percent of total out-migration from Kisii District. The largest single flow is to Kericho District, involving movement from Kisii and South Nyanza districts and a lesser flow from Kisumu District. Kericho town absorbs only about 5 percent of this flow into Kericho District. Eight percent of the total out-migration from Nyanza Province flows to Nakuru District, with Nakuru town receiving approximately one-third of this particular migration flow. There is some movement from Nyanza Province to most districts of Rift Valley Province but no one inter-district flow, other than the ones mentioned above, involve large numbers. The number of males is

considerably larger than that of females in both the total stream and in the larger flows mentioned above. Therefore, this particular migration stream suggests movement for the purpose of obtaining employment.

More than 50 percent of the Nyanza movement to Nairobi originates in Kisumu District. Siaya District contributes large numbers as well, while South Nyanza and Kisii District contribute a relatively small number. The ratio of males to females is 1.6 to 1 for this total migration stream. The movement to Coast Province focuses primarily on Mombasa, and is similar to that of Nairobi in terms of the relative importance of the four originating districts and the ratio of males to females. The sex-ratio is slightly higher for the movement to rural Coast Province than for the movement to Mombasa, so the rural-to-rural migration between Nyanza and Coast Provinces does not reflect the characteristics of more permanent re-settlement. Conversely, the movement to Western Province is dominated by females, which, again, cannot readily be explained. Most of the movement is from Siaya District, with some from Kisumu, and flows to both Kakamega and Busia Districts.

The available information on the age structure of the Nyanza population does not shed much additional light on the types of migration flows involved. For the total population there is a below average proportion of males evident in ages 20 to 49 years, consistent with out-migration for employment purposes, while the below average proportion of females is in the 20 to 29 year group, consistent with both a search for employment elsewhere and the in-migration of older women. This latter process is evident in South Nyanza, Kisumu and Siaya Districts, involving movement from within Nyanza Province. The inflow of children, likely from Nairobi, is explicitly evident in Kisii District only. In-migration for employment purposes in Kisumu district serves to offset the extent of the out-migration for the same purpose so the proportion in the working age categories is above average for males, and with only one exception, for females. There is evidence of migration of children into Siaya District from outside of Kenya.

Table 19. The Percentage Distribution of the Age of the Population Enumerated in Nyanza Province

a. Total

Age	Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	9.54	9.39	+8.62	+ 8.46	0.13	0.13	0.75	0.75	+0.05	+0.06
05-9	+8.64	+8.21	+7.76	+ 7.36	0.13	0.13	0.69	0.67	+0.07	+0.06
10-14	7.32	+6.83	+6.58	+ 6.08	0.14	0.15	0.56	0.56	+0.05	0.04
15-19	+5.28	+5.09	+4.62	+ 4.40	0.16	0.21	0.47	0.44	0.03	0.03
20-24	3.62	3.97	+3.09	+ 3.38	0.16	0.23	0.35	0.33	0.02	0.03
25-29	2.62	3.71	+2.21	+ 3.15	0.12	0.23	0.26	0.30	0.03	0.03
30-34	2.21	+2.77	+1.89	+ 2.37	0.10	0.16	0.19	0.22	0.03	0.02
35-39	2.05	+2.71	+1.75	+ 2.35	0.08	0.16	0.20	0.18	0.02	0.02
40-49	3.01	+3.54	+2.62	+ 3.09	0.12	0.21	0.24	0.23	0.03	0.03
50-59	+2.34	+2.23	+2.09	+ 1.94	0.07	0.12	0.15	0.16	0.03	0.02
60-69	+1.68	1.40	+1.51	+ 1.23	0.05	0.06	0.11	0.10	0.01	0.01
70 +	1.03	0.80	0.93	0.69	0.02	0.03	0.08	0.07	..	0.01
Total	49.35	+50.65	+43.66	+44.50	1.26	1.83	4.04	3.99	0.37	0.35

(n = 2,113,875)

b. Kisii

Age	1960-64	1965-69	1970-74	1975-79	1980-84	1985-89	1990-94	1995-99	2000-04	2005-09	2010-14
0-4	+10.72	+10.33	+9.64	+ 9.31	0.03	0.04	+1.05	+0.98	0.01	0.01	
5-9	+ 9.48*	+ 9.10*	+8.58	+ 8.17	0.02	0.03	+0.88	+0.90	0.01	..	
10-14	+ 8.10*	+ 7.75*	+7.36*	+ 6.99*	0.02	0.03	+0.71	+0.73	..*	..	
15-19	+ 5.57	+ 5.12	+4.90	+ 4.60	0.04	0.03	0.63	0.49	..	..	
20-24	3.60	3.81	+3.16	+ 3.41	0.05	0.04	0.39	0.35	..	0.01	
25-29	2.59	3.27*	+2.27	+ 2.90	0.04	0.04	0.27	0.33	0.01	0.01	
30-34	2.21	2.37	+1.97	2.09	0.03	0.02	0.20	0.26	0.01	..	
35-39	1.77	2.07	+1.57	1.86	0.02	0.02	0.17	0.20	0.01	..	
40-49	2.58	2.46*	2.26	2.18	0.04	0.03	0.27	0.25	0.01	0.01	
50-59	1.72*	1.52*	1.53	1.35	0.03	0.01	0.17	0.16	..	..	
60-69	1.14*	1.20	1.02	1.05	0.01	0.01	0.11	+0.14	..	..	
70 +	+ 0.74	0.79	0.64	0.69	0.01	0.01	0.09	0.09	..	..	
Total	+50.21	49.79	+44.89	+44.59	0.35	0.29	4.92	4.86	0.05	0.05	

(n = 674,425)

c. Kisumu

Age	8.45	8.51	7.63	7.67	0.25	0.25	0.51	0.53	+0.06	+0.06
0-4	8.45	8.51	7.63	7.67	0.25	0.25	0.51	0.53	+0.06	+0.06
5-9	7.75	7.57	7.09	6.73	0.21	0.27	0.42	0.50	0.05	0.08
10-14	+6.91	+6.24	+6.28	+5.56	0.19	+0.24	0.39	0.40	+0.05	0.04
15-19	+5.50	+5.38	+4.69	+4.44	+0.30	+0.43	0.46	0.47	0.05	0.04
20-24	+4.49	3.85	+3.45	3.04	+0.44	+0.36	0.54	0.39	0.05	0.06
25-29	+3.41	+3.87	+2.60	+3.11	+0.31	+0.35	0.43	0.33	0.08	0.08
30-34	+2.75	+2.85	+2.09	+2.32	+0.26	+0.24	0.33	0.23	0.07	0.07
35-39	+2.57	+2.65	+1.97	+2.26	+0.22	+0.21	0.31	0.13	0.07	0.06
40-49	+3.44	+3.70	+2.78	+3.16	+0.24	+0.28	0.32	0.19	0.10	0.08
50-59	+2.80*	+2.37	+2.45*	+2.05	0.11	+0.16	0.15	0.11	+0.09	0.05
60-69	+1.80	1.35	+1.60	1.17	0.08	+0.10	0.07	0.06	0.06	0.02
70 +	1.03	0.77	0.92	0.67	0.03	0.06	0.07	0.03	0.02	0.01
Total	+50.89	49.11	+43.54	+42.17	+2.61	+2.95	3.97	3.36	0.74	0.65

(n = 398,777)

Table 19. Contd.

d. Siaya

Age										
0-4	9.18	9.29	8.33	8.35	0.15	0.15	0.50	0.56	+0.20**	+0.22**
5-9	8.25	7.69	+7.33	6.82	0.19	0.15	0.49	0.49	+0.25*	+0.24*
10-14	+6.65	+6.45	+5.98	+5.72	0.13	0.17	0.39	0.40	+0.15**	+0.16*
15-19	4.70	4.70	+4.26	+4.11	0.14	0.17	0.25	0.35	+0.06	+0.07
20-24	2.59*	3.86	2.32	+3.31	0.07	0.25	0.19	0.25	0.02	0.05
25-29	1.65*	+3.88	1.47	+3.38	0.05	0.19	0.10	0.28	0.02	0.03
30-34	1.66	+3.21*	1.49	+2.90	0.04	0.09	0.10	0.20	0.03	0.02
35-39	1.78	+3.48**	+1.62	+3.12*	0.04	+0.19	0.12	0.16	0.01	0.01
40-49	2.96	+4.84**	+2.79	+4.36*	0.08	+0.26	0.03	0.21	0.01	0.01
50-59	+2.72*	+3.58**	+2.61*	+3.25*	0.04	+0.16	0.06	0.17	0.02	0.01
60-69	+2.08*	+2.01*	+2.03*	+1.84*	0.02	0.07	0.03	0.09	..	0.01
70 +	+1.68	1.12	+1.62*	1.02	..	0.02	0.06	0.08	..	..
Total	45.90	+54.10	+41.85	+48.17	0.94	1.88	2.36	3.24	0.74	+0.82
									(n = 382,536)	

e. South Nyanza

Age										
0-4	9.21	9.03	8.33	8.14	0.14	0.13	0.73	0.75	0.02	0.02
5-9	+8.53	7.99	+7.57	+7.21	0.14	0.14	+0.80	0.63	0.04	0.02
10-14	+7.17	+6.47	+6.33	+5.68	0.24	0.22	+0.59	0.56	0.03	0.02
15-19	+5.18	+5.13	+4.48	+4.36	0.22	+0.30	0.45	0.43	0.02	0.04
20-24	3.72	+4.26	+3.25	+3.60	0.14	+0.33	0.29	0.30	0.03	0.02
25-29	2.74	+3.93	+2.34	+3.29	0.12	+0.39	0.23	0.26	0.03	0.03
30-34	2.12	+2.87	+1.92	+2.38	0.09	+0.29	0.15	0.20	0.02	0.02
35-39	2.18	+2.95*	+1.86	+2.47	0.07	+0.26	0.21	0.20	0.02	0.02
40-49	3.22	+3.80	+2.78	+3.23	0.15	+0.32	0.25	0.24	0.03	0.02
50-59	+2.49	2.10	+2.15	1.72	0.12	+0.19	0.19	0.18	0.02	0.02
60-69	+1.93	1.27	+1.66	1.10	0.08	0.09	+0.19	0.08	0.01	0.01
70 +	0.97	0.64	0.84	0.51	0.04	0.05	0.09	0.07	..	..
Total	49.54	+50.46	+43.52	+43.69	1.54	+2.69	4.16	3.90	0.26	0.24
									(n = 658,137)	

Although Nyanza Province appears to have above average primary education facilities available for children, the opportunities for secondary education within the Province appear to be limited and the Province's ability to hold the educated is limited as well. The exception to the general rule is Kisumu District which does have above average proportions of males in ages 15 to 24 years in higher education and does retain above average numbers of older people through form II for women and form IV for men. The access to formal education appears to be lowest in Siaya District.

Table 20. The Percentage Distribution of the Level of Education Completed in Different Age Groups in Nyanza Province.

		A G E							
		Total		0 - 14		15 - 24		25 and Over	
Education		Male	Female	Male	Female	Male	Female	Male	Female
None		33.19	+ 41.90	+ 20.30	+ 20.72	2.66	+ 5.54	10.23	+ 15.64
Std. 1-4		7.29	5.18	+ 4.27	3.10	+ 1.54	1.27	1.48	0.81
Std. 5-8		7.30	3.20	+ 0.92	+ 0.60	+ 3.74	1.98	2.64	0.62
Form I,II		1.02	0.27	..	0.01	0.68	0.21	0.33	0.06
Form III,IV		0.43	0.07	..	..	0.25	0.05	0.19	0.02
Form V+		0.12	0.03	..	..	0.03	0.01	0.09	0.02
Total		49.35	+ 50.65	+ 25.50	+ 24.43	8.90	9.06	14.95	+ 17.16
b. Kisii									
Education									
None		+33.83	+ 41.09	+ 23.03*	+ 23.24*	2.63	+ 5.22	8.18	12.62
Std. 1-4		+ 7.64	5.46	+ 4.47	+ 3.44	+ 1.75	+ 1.42	1.42	0.60
Std. 5-8		7.28	2.95	+ 0.81	0.49	+ 3.85	2.06	2.62	0.41
Form I,II		1.04	0.22	..	..	0.70	0.19	0.34	0.03
Form III,IV		0.35	0.05	..	..	0.21	0.03	0.14	0.01
Form V+		0.08	0.02	..	..	0.02	0.01	0.06	0.01
Total		+50.21	49.79	+ 28.31*	+ 27.17	+ 9.16	8.93	12.74*	13.68*
c. Kisumu									
Education									
None		32.59	39.09	17.54	18.18	+ 3.04	+ 5.30	+12.01	+15.60
Std. 1-4		+ 7.55	5.45	+ 4.35	+ 3.36	1.47	1.17	1.73	0.92
Std. 5-8		+ 8.40	+ 3.85	+ 1.21*	+ 0.77	+ 4.08	2.26	+ 3.11	0.82
Form I,II		+ 1.31	+ .46	+ 0.02	+ 0.01	+ 0.88	+ 0.35	0.41	+ 0.10
Form III,IV		+ 0.79	0.19	..	..	+ 0.45	0.12	+ 0.34	0.07
Form V+		0.25	0.08	..	..	+ 0.07	0.03	0.18	0.05
Total		+50.89	49.11	23.11	22.32	+ 9.99	+ 9.24	+17.79	+17.56
d. Siaya									
Education									
None		31.85	+ 45.37	19.43	+ 20.05	1.97	+ 5.13	10.46	+20.18*
Std. 1-4		6.91	5.35	3.93	2.88	1.48	+ 1.37	1.50	1.10
Std. 5-8		6.07	3.09	0.72	0.49	3.12	1.84	2.22	0.76
Form I,II		0.79	0.24	..	0.01	0.56	0.18	0.22	0.05
Form III,IV		0.23	0.03	..	..	0.15	0.03	0.08	0.01
Form V+		0.06	0.03	..	..	0.02	0.01	0.04	0.02
Total		45.90*	+ 54.10*	24.08	23.43	7.30	8.56	14.52	+22.11*
e. South Nyanza									
Education									
None		+33.68	+ 42.41	19.71	+ 20.07	+ 2.86	+ 5.24	+11.11	+16.10
Std. 1-4		6.98	4.63	+ 4.22	2.73	1.39	1.13	1.37	0.78
Std. 5-8		+ 7.37	3.13	+ .97	+ .69	+ 3.78	1.83	2.62	0.62
Form I,II		0.97	0.23	..	..	0.63	0.17	0.34	0.06
Form III,IV		0.42	0.03	..	..	0.22	0.02	0.20	0.01
Form V+		0.12	0.03	..	..	0.03	0.01	0.09	0.02
Total		49.54	+ 50.46	+ 24.91	23.49	8.90	+ 9.39	15.73	+17.59

<sup>1</sup>These percentages include "not stated".

## 7. Rift Valley Province

Approximately 30 per cent of all inter-district movement in Kenya is directed toward Rift Valley Province. The single most important factor was the opening of the former "White Highlands" for settlement. The receiving areas, on order of importance are Uasin Gishu, Nakuru, Trans Nzoia, Kericho, Laikipia, Nandi, Narok and Kajiado. Although Rift Valley Province has attracted extensive migration from elsewhere in Kenya, the most important stream is still from within Rift Valley Province itself. The ratio of males to females for the

Table 21. The Movement of Population to and from the Districts of Rift Valley Province (percent)

	Provinces								Total
	Nairobi	Central	Coast	Eastern	North Eastern	Nyanza	Rift Valley	Western	
a. Baringo									
In-Migration									
-Male	3.2	26.8	2.8	3.4	0.6	19.6	36.0	7.6	100.0
-Female	4.8	34.6	5.0	2.4	0.1	11.8	30.4	10.9	100.0
-Total	3.8	29.8	3.6	3.0	0.4	16.6	33.9	8.9	100.0
Out-Migration									
-Male	5.0	7.3	1.4	1.2	0.2	2.6	81.3	1.0	100.0
-Female	3.1	10.9	0.4	0.4	..	3.8	80.3	1.1	100.0
-Total	4.1	8.9	1.0	0.8	0.2	3.1	80.9	1.0	100.0
b. Elgeyo Marakwet									
In-Migration									
-Male	1.1	11.8	4.7	0.6	2.2	5.3	67.0	7.3	100.0
-Female	3.3	18.5	0.8	3.3	1.3	5.4	58.8	8.6	100.0
-Total	2.0	14.7	3.1	1.8	1.8	5.3	63.5	7.8	100.0
Out-Migration									
-Male	2.4	1.5	0.5	0.8	1.9	0.3	92.4	0.2	100.0
-Female	1.1	1.5	0.2	0.2	1.5	0.2	95.1	0.2	100.0
-Total	1.8	1.5	0.4	0.5	1.7	0.3	93.6	0.2	100.0
c. Kajiado									
In-Migration									
-Male	9.9	44.9	1.4	20.3	0.5	12.1	8.5	2.4	100.0
-Female	7.6	52.6	1.3	20.6	0.6	7.7	7.8	1.8	100.0
-Total	8.9	48.4	1.4	20.4	0.5	10.1	8.2	2.1	100.0
Out-Migration									
-Male	22.1	16.8	5.9	6.4	0.5	1.3	46.7	0.3	100.0
-Female	17.7	22.4	3.5	3.9	0.7	4.8	45.7	1.3	100.0
-Total	20.1	19.3	4.8	5.3	0.6	2.9	46.2	0.8	100.0
d. Kericho									
In-Migration									
-Male	2.2	13.8	0.6	1.6	..	56.5	9.9	15.4	100.0
-Female	3.0	19.0	0.4	1.1	0.1	51.5	13.8	11.1	100.0
-Total	2.5	15.8	0.5	1.4	..	54.6	11.4	13.8	100.0
Out-Migration									
-Male	9.7	9.2	1.6	0.8	0.2	11.7	65.6	1.2	100.0
-Female	6.3	11.2	1.2	0.8	0.1	11.9	66.5	2.0	100.0
-Total	8.3	10.0	1.4	0.8	0.2	11.8	66.0	1.5	100.0



Table 21. Contd.

e. Laikipia									
In-Migration									
-Male	1.4	32.1	0.2	35.4	0.7	3.4	23.9	2.9	100.0
-Female	1.5	52.7	0.2	11.9	0.8	2.4	27.6	2.9	100.0
-Total	1.4	41.3	0.2	25.0	0.7	3.0	25.5	2.9	100.0
Out-Migration									
-Male	6.6	54.6	1.3	3.9	0.1	2.0	31.3	0.2	100.0
-Female	4.6	55.5	0.8	3.4	0.0	1.0	34.5	0.2	100.0
-Total	5.6	55.0	1.1	3.7	0.1	1.5	32.8	0.2	100.0
f. Nakuru									
In-Migration									
-Male	1.1	42.2	1.3	2.8	0.2	15.2	25.3	12.0	100.0
-Female	1.5	49.4	1.1	2.3	0.1	11.1	25.7	8.8	100.0
-Total	1.3	45.4	1.2	2.6	0.2	13.3	25.5	10.5	100.0
Out-Migration									
-Male	9.7	42.6	2.0	1.1	0.4	5.5	35.6	3.1	100.0
-Female	7.8	46.6	1.7	0.7	0.1	5.7	33.9	3.5	100.0
-Total	8.7	44.6	1.9	0.9	0.2	5.6	34.7	3.4	100.0
g. Nandi									
In-Migration									
-Male	2.6	14.9	0.3	1.2	0.2	26.6	13.0	41.2	100.0
-Female	3.2	16.4	0.5	0.8	0.4	21.0	16.5	41.2	100.0
-Total	2.9	15.6	0.4	1.0	0.3	24.0	14.6	41.2	100.0
Out-Migration									
-Male	3.5	4.3	1.1	0.4	0.2	1.5	87.1	1.9	100.0
-Female	2.1	3.6	1.0	0.3	..	1.5	89.8	1.7	100.0
-Total	2.8	4.0	1.0	0.3	0.1	1.5	88.5	1.8	100.0
h. Narok									
In-Migration									
-Male	2.8	53.6	0.7	3.2	0.2	7.5	26.7	5.3	100.0
-Female	2.2	60.5	0.1	1.7	1.1	5.0	27.2	2.2	100.0
-Total	2.5	57.0	0.4	2.5	0.6	6.3	26.9	3.8	100.0
Out-Migration									
-Male	4.5	6.6	2.4	1.1	0.4	0.8	83.3	0.9	100.0
-Female	2.7	6.7	1.6	0.2	..	0.1	88.2	0.5	100.0
-Total	3.7	6.6	2.1	0.7	0.2	0.5	85.5	0.7	100.0
i. Samburu									
In-Migration									
-Male	1.3	12.2	0.7	52.5	7.6	2.5	21.6	1.6	100.0
-Female	1.3	5.9	0.6	65.2	2.6	3.0	20.8	0.6	100.0
-Total	1.3	9.7	0.7	57.5	5.6	2.7	21.3	1.2	100.0
Out-Migration									
-Male	5.2	6.3	1.9	13.3	1.6	1.1	68.9	1.7	100.0
-Female	4.5	5.8	1.7	8.3	..	2.8	75.6	1.3	100.0
-Total	4.9	6.1	1.8	11.5	1.0	1.7	71.4	1.6	100.0
j. Trans Nzoia									
In-Migration									
-Male	0.8	3.0	0.5	0.3	..	4.6	43.2	47.6	100.0
-Female	0.5	3.7	0.1	0.2	..	4.6	45.4	45.5	100.0
-Total	0.7	3.3	0.3	0.3	..	4.6	44.2	46.6	100.0
Out-Migration									
-Male	7.1	9.6	4.0	1.8	0.1	4.9	40.7	31.8	100.0
-Female	5.2	8.6	2.2	1.0	0.0	5.3	39.9	37.8	100.0
-Total	6.2	9.1	3.1	1.4	0.1	5.1	40.3	34.7	100.0

Table 21. Contd.

		North				Rift			Total
		Nairobi	Central	Coast	Eastern	Nyanza	Valley	Western	
K. Turkana	In-Migration								
	-Male	2.7	16.4	3.2	15.0	3.4	13.8	26.8	100.0
	-Female	1.7	5.1	1.8	19.1	7.7	13.0	24.2	100.0
	-Total	2.4	12.5	2.7	16.4	4.9	13.5	21.7	100.0
	Out-Migration								
	-Male	1.5	1.0	0.3	2.2	0.2	0.1	92.3	100.0
	-Female	0.9	1.2	0.1	1.6	..	0.1	94.1	100.0
	-Total	1.2	1.1	0.2	1.9	0.1	0.1	93.2	100.0
1. Uasin Gishu	In-Migration								
	-Male	19.0	14.1	0.2	1.1	0.3	6.3	43.6	100.0
	-Female	22.4	13.9	0.3	0.6	0.4	4.7	45.2	100.0
	-Total	20.6	14.0	0.2	0.9	0.3	5.6	44.4	100.0
	Out-Migration								
	-Male	7.5	25.6	7.7	0.8	0.7	3.1	47.5	100.0
	-Female	6.6	28.1	3.5	0.3	0.0	2.7	51.2	100.0
	-Total	7.1	26.8	5.6	0.6	0.4	2.9	49.3	100.0
n. West Pokot	In-Migration								
	-Male	0.4	14.1	0.3	1.9	0.3	5.5	59.7	100.0
	-Female	0.7	10.9	0.1	1.0	0.1	3.9	63.0	100.0
	-Total	0.6	12.5	0.2	1.5	0.2	4.7	61.3	100.0
	Out-Migration								
	-Male	4.9	0.8	1.2	1.8	0.2	1.8	86.9	100.0
	-Female	4.6	0.7	0.5	1.3	..	1.2	89.9	100.0
	-Total	4.7	0.7	0.9	1.6	0.1	1.5	88.3	100.0
Total	In-Migration								
	-Male	5.1	25.1	0.9	5.3	0.4	16.9	28.2	100.0
	-Female	6.2	30.0	0.6	3.5	0.5	12.5	30.7	100.0
	-Total	5.6	27.3	0.8	4.7	0.4	14.9	29.3	100.0
	Out-Migration								
	-Male	6.6	16.7	1.9	1.6	0.4	4.1	65.5	100.0
	-Female	5.0	19.7	1.2	1.0	0.2	3.9	65.2	100.0
	-Total	5.8	18.1	1.6	1.3	0.3	4.0	65.4	100.0

total flow into the Province is 1.2 to 1, indicating considerable re-settlement of families.

As Appendices C and D indicate, there is some movement among most of the districts in Rift Valley Province. Sixty-five percent of male out-migrants and 40 percent of female out-migrants from the districts in the Province flow to other districts in the Province. Approximately one-half of both of these flows are to four districts - Uasin Gishu, Nakuru, Trans Nzoia and Laikipia. Much of the remainder of the internal movement is among a group of districts less well suited for intensive agriculture - Baringo, Elgeyo Marakwet, Nandi, Turkana, and West Pokot. The ratio of males to females is rather consistently 1.1 to 1 in all of these moves. The extent of the movement into the larger towns in the Province is little more than 5 per cent of the total internal movement, so the sex-ratios for the rural-to-rural

migration do not change much even though the ratio for the urbanization that does take place is approximately 1.4 to 1. Therefore, the extensive internal movement would appear to involve considerable re-settlement of families plus some movement for employment purposes.

The sources, destinations and types of movement from Central and Nyanza Provinces have been discussed previously. They account for approximately 27 and 17 per cent respectively of total migration into the districts of Rift Valley Province. The movement from Western Province, accounting for some 15 per cent of the total, is primarily from Kakamega District and flows, in order to of importance, to Trans Nzoia (of which 12 per cent to Kitale), Nandi, Nakuru (of which 40 per cent to Nakuru town), Uasin Gishu (of which 28 per cent to Eldoret), and Kericho (of which 11 per cent to Kericho town). The ratio of males to females ranges from 1.2 to 1 for Nandi to 2.3 to 1 for Kericho. There is little difference in the ratios between the towns and the districts in which the towns are located. Therefore, some re-settlement to Nandi and Trans Nzoia is likely taking place, but considerable search for employment occurs in the flows to the other three districts. There is also some movement from Bungoma, directed primarily to Trans Nzoia district, with the number of females larger than the number of males. Some six percent of this particular flow goes to Kitale. Therefore, this is primarily a rural-to-rural flow with characteristics that suggest more permanent movement of families.

The age distribution table information supports these observations about the types of movements to and from the Districts of Rift Valley Province. Laikipia, Narok, Trans Nzoia and Uasin Gishu show considerable in-migration at all age levels both from within Rift Valley Province and from elsewhere in Kenya. The significant levels of the extent of the in-migration of older people plus the inclusion of children indicates movement of families, some of which occurred shortly before the 1969 Census. The same pattern holds for the movement into Nandi District (from Nyanza and Western Provinces) and Kajiado District (from Central and Eastern Provinces) for movement from elsewhere in Kenya. Conversely, Kericho District registers primarily a high proportion of men ages 20 to 59 years, who were born elsewhere in Kenya, which is consistent with our expectation for search for employment. The less developed parts of Rift Valley Province have below average proportions of children indicating the extent of the population growth there is less than in the more developed parts of Kenya. Only for Turkana District do we observe the smaller proportion in the 0 to 4 age cohort than in the 5 to 9 age cohort, as had been observed in North-Eastern Province and in a few other districts.

Table 22. The Percentage Distribution of the Age of the Population Enumerated in Rift Valley Province.

a. Total total		Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya		
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	9.45	9.30	8.11	7.96	+0.36	+0.36	+0.97	+0.96	0.04	0.03
5-9	8.33	8.02	6.70	6.42	+0.51	+0.49	+1.07	+1.08	0.06	0.07
10-14	6.46	6.09	5.13	4.87	+0.40	+0.34	+0.91	+0.84	0.03	0.04
15-19	+5.35	4.92	3.94	3.51	+0.46	+0.42	+0.93	+0.94	0.03	0.05
20-24	+4.00	+4.22	2.42	2.75	+0.36	+0.43	+1.19	+0.99	0.04	0.04
25-29	+3.67	+3.91	1.96	2.50	+0.45	+0.41	+1.16	+0.91	0.07	0.08
30-34	+3.00	2.60	1.53	1.80	+0.33	+0.25	+1.05	+0.51	0.07	0.03
35-39	+2.66	2.30	1.45	1.49	+0.34	+0.26	+0.80	+0.51	0.07	0.03
40-49	+3.71	3.07	2.07	2.09	+0.42	+0.28	+1.13	+0.66	0.09	0.04
50-59	+2.33	1.84	1.33	1.26	+0.24	+0.17	+0.69	+0.36	0.06	0.05
60-69	1.56	1.15	1.02	0.82	+0.14	+0.11	+0.34	+0.21	0.07	0.02
70 +	1.04	1.03	0.76	0.70	+0.08	+0.10	+0.19	+0.22	0.02	0.01
Total	+51.55	48.45	36.40	36.17	+4.07	+3.62	+10.41	+8.13	0.64	0.49

(n = 2,179,910)

b. Baringo

0-4	9.22	9.06	+9.05	+8.84	0.04	0.06	0.14	0.16	..	..
5-9	+8.74	8.03	+8.61	+7.89	0.05	0.06	0.08	0.08	..	..
10-14	+6.77	+6.20	+6.57	+6.10	0.08	0.03	0.10	0.06	0.01	..
15-19	5.04	4.90	+4.90	+4.80	0.06	0.01	0.08	0.08	..	..
20-24	3.28	3.94	+3.04	+3.78	0.10	0.03	0.13	0.14	..	..
25-29	+3.47	+4.23*	+3.18*	+4.07	0.13	0.06	0.15	0.09	..	..
30-34	2.34	+2.84	+2.14	+2.72	0.06	0.03	0.12	0.09	0.01	..
35-39	2.13	2.15	+1.91	+2.06	0.06	0.05	0.15	0.05	0.01	..
40-49	+3.69	+3.50	+3.38*	+3.38	0.11	0.03	0.19	0.06	0.02	0.03
50-59	+2.75*	2.19	+2.45*	+2.15	0.06	0.02	0.21	0.03	0.03	..
60-69	1.37	+1.60	1.27	+1.52	0.03	0.02	0.05	0.06	0.01	..
70 +	+1.23	+1.36	1.18	+1.27	0.01	0.01	0.04	0.07	..	..
Total	50.01	49.99	+47.68	+48.59	0.79	0.41	1.43	0.96	0.09	0.04

(n = 161,669)

c. Elgeyo Marakwet

0-4	8.42	7.90*	8.27	7.84	0.10	0.04	0.03*	0.03*	0.02	..
5-9	8.17	7.64	+8.00	+7.45	0.14	0.11	0.04	0.09	..	..
10-14	+7.43	+6.68	+7.15	+6.46	0.18	0.14	0.10	0.06	..	..
15-19	+5.81	+5.27	+5.51	+5.16	0.21	0.08	0.08	0.04	..	..
20-24	+4.08	4.04	+3.81	+3.83	0.20	0.16	0.07	0.04	..	..
25-29	+3.45	3.70	+3.26*	+3.52	0.15	0.11	0.05	0.08	..	0.01
30-34	2.00	2.63	+1.79	+2.57	0.14	0.14	0.07	0.01	..	..
35-39	1.96	2.38	+1.89	+2.29	0.04	0.06	0.03	0.03	..	..
40-49	3.27	+3.36	+3.15	+3.22	0.05	0.08	0.07	0.06	..	..
50-59	+2.65	+2.62*	+2.45*	+2.45	0.13	0.08	0.07	0.07	..	..
60-69	+2.37*	1.15	+2.22*	1.10	0.08	0.04	0.07	0.01	..	..
70 +	+1.68	+1.36	+1.56	+1.17	0.06	0.04	0.07	0.15	..	..
Total	+51.28	48.72	+49.06	+47.05	1.47	0.97	0.74	0.68	0.03	0.01

(n = 158,876)

Table 22. Contd.

d. Kajiado

Age	total		Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	9.45	+9.62	7.81	8.06	0.18	0.17	+1.33	+1.26	+0.14*	+0.14
5-9	+8.38	7.37	6.69	6.18	0.12	0.11	+1.41	+1.28	+0.16*	0.04
10-14	5.63	4.60*	4.34	3.64*	0.10	0.06	+1.05	+0.79	+0.15**	+0.11
15-19	+5.41	4.86	+4.14	3.70	0.06	0.08	+1.06	+1.00	0.17	+0.09
20-24	+4.03	+4.80*	2.63	+3.66	0.07	0.04	+1.21	+1.03	+0.12	0.06
25-29	3.17	+4.22*	1.84	+3.07	0.13	0.05	+1.09	+0.97	+0.09	+0.13
30-34	+3.10	2.69	+2.15	2.11	0.10	0.06	+0.77	+0.47	0.08	0.06
35-39	+2.55	2.39	1.48	1.72	0.07	0.07	+0.91	+0.51	+0.09	+0.09
40-49	+3.88	+4.05*	+2.44	+2.97	0.12	0.10	+1.13	+0.84*	+0.19	+0.14
50-59	2.05	2.13	1.34	1.57	0.02	0.02	+0.62	+0.52*	0.06	0.03
60-69	+2.43**	1.04	+2.08	0.83*	+0.12	..	+0.26	+0.19	+0.07	0.02
70 +	1.10	0.80	0.77	0.58	0.04	..	+0.23*	+0.19	+0.06	+0.03
Total	+51.20	48.80	37.71	38.07	1.03	0.77	+11.08	+9.04	+1.38	+0.93

(n = 85,841)

e. Kericho

0-4	+9.83	+9.87	+8.91	+9.05	0.09	0.12	+0.83	0.70	0.01	0.01
5-9	+9.10*	+8.70	+8.18	+7.90	0.17	0.16	0.72	0.63	0.03	0.02
10-14	+6.84	+7.10	+6.15	+6.45	0.13	0.10	0.56	0.55	0.02	0.01
15-19	+5.19	+5.19	+4.49	+4.50	0.08	0.08	0.61	0.60	0.01	0.03
20-24	+4.19	3.90	+3.07	+3.16	0.07	0.06	+1.03	+0.67	0.03	..
25-29	+3.70	4.40	+2.34	2.73	0.11	0.06	+1.13	+0.55	+0.10	0.05
30-34	+3.14	2.23*	+1.88	1.84	0.05	0.06	+1.02	0.31	+0.14	0.02
35-39	+2.55	1.80*	+1.80	1.55	0.04	0.02	+0.65	0.22	0.06	0.01
40-49	2.99	2.47	2.16	2.19	0.05	0.03	+0.69	0.23	0.09	0.03
50-59	1.80*	1.60	1.40	1.50	0.03	0.02	+0.35	0.07	0.03	0.02
60-69	1.15*	1.08	1.00	1.00	0.01	0.02	0.14	0.12	0.01	..
70 +	1.14	1.05	+1.05	0.94	0.02	0.02	0.06	0.08	..	0.01
Total	+51.62	48.39	+42.41	+42.80	0.85	0.75	+7.78	4.69	0.53	0.20

(n = 474,069)

f. Laikipia

0-4	+11.04*	+10.45	7.76	6.94	+1.05**	+0.88*	+2.19**	+2.58**	0.01	0.01
5-9	8.23	+ 8.70	4.28*	4.88*	+0.63	+1.02*	+3.35*	+2.84**	0.01	0.01
10-14	4.19**	4.41*	1.80**	2.19*	+0.62	+0.33	+1.74*	+1.90*	0.01	0.01
15-19	+ 5.93	4.18*	1.35*	1.30**	+0.74	+0.73	+3.79*	+2.09*	0.01	0.01
20-24	3.88	+ 4.72*	0.41**	1.03**	+0.47	+1.29**	+2.98**	+2.15*	0.02	+0.26
25-29	+ 4.71*	+ 3.85	0.47*	0.65	+0.28*	+1.03**	+2.96*	+2.00**	0.02	+0.12
30-34	+ 2.87	1.98**	0.41*	0.65*	+0.67*	+0.34	+1.74*	+0.98*	0.03	0.02
35-39	+ 3.13*	1.94	0.38*	0.51*	+1.06**	+0.42	+1.62*	+1.00**	+0.08	0.02
40-49	+ 4.39*	3.22	0.50*	0.35**	+0.86*	+0.69*	+2.82**	+2.06**	+0.24	+0.13
50-59	+ 2.57	1.69	0.15**	0.01**	+0.47	+0.31	+1.87*	+1.05*	+0.10	+0.32**
60-69	1.34	1.00*	0.12*	0.08*	+0.15	+0.16	+1.01*	+0.64*	+0.07	+0.09
70 +	0.39*	+ 1.22	0.04*	0.18*	+0.19	+0.37*	+0.15	+0.66*	0.02	0.02
Total	+52.68	47.32	17.68**	18.77**	+8.18*	+7.56**	+26.21**	+19.94**	0.62	+1.04

(n = 66,186)

Table 22. Contd.

g. Nakuru

	total		Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	+10.27	+10.05	8.29	8.15	+0.60*	+0.60	+1.34	+1.27	+0.06	0.04
5-9	+ 8.45	+ 8.32	5.65*	5.36*	+0.86*	+0.84	+1.89*	+2.06*	0.05	+0.06
10-14	5.52	5.25	2.91*	2.90*	+0.63	+0.56	+1.92**	+1.75*	+0.06	+0.05
15-19	4.93	4.52*	2.20*	1.82*	+0.75	+0.73	+1.94*	+1.91*	0.04	+0.06
20-24	+ 4.47	+ 4.21	1.30*	1.26*	+0.78*	+0.74	+2.35**	+2.18*	0.04	0.04
25-29	+ 4.28	+ 4.01	0.84*	1.11*	+0.76	+0.71	+2.58*	+2.11**	+0.09	+0.09
30-34	+ 3.61*	2.51	0.60*	0.60*	+0.75*	+0.45	+2.18*	+1.39**	0.08	+0.08
35-39	+ 2.98	1.91*	0.41*	0.44*	+0.69*	+0.32	+1.85*	+1.10**	+0.09	+0.06
40-49	+ 3.83	2.95	0.56*	0.53*	+0.72*	+0.51*	+2.41*	+1.70**	+0.15	+0.11
50-59	+ 2.53	1.66	0.13**	0.16*	+0.50*	+0.30	+1.76**	+1.10**	+0.15	+0.10
60-69	1.37	0.95*	0.06*	0.05*	+0.25	+0.15	+0.98*	+0.70**	+0.09	+0.05
70 +	0.70	0.74	0.02*	0.03*	+0.13	+0.16	+0.51*	+0.53**	+0.04	0.02
Total	+52.92	47.08	22.98*	22.40*	+7.32*	+6.14	+21.70*	+17.79**	+0.93	+0.75

(n = 239,884)

h. Nandi

0-4	9.47	9.51	8.02	7.84	0.21	0.26	+1.22	+1.38	0.02	0.03
5-9	7.83	7.70	6.49	6.26	0.18	0.26	+1.08	+1.19	0.03	0.01
10-14	6.40	5.62	5.41	4.74	0.15	0.14	+0.83	+0.70	0.01	0.02
15-19	4.63	+5.13	3.61	+4.04	0.14	0.11	+0.89	+0.99	..	0.02
20-24	3.82	4.04	+2.77	2.96	0.12	0.14	+0.92	+0.90	0.02	0.03
25-29	+3.73	3.59	+2.46	2.63	0.13	0.18	+1.10	+0.74	0.02	0.03
30-34	+2.71	2.38	1.64	1.91	0.12	0.11	+0.94	+0.34	0.02	0.01
35-39	+2.55	2.01	+1.54	1.49	0.13	0.09	+0.87	+0.40	0.01	..
40-49	+3.95	+3.49	+2.76	+2.93	0.15	0.08	+1.01	+0.50	0.03	0.01
50-59	+2.63	2.20	+2.12	+2.01	0.07	0.06	+0.47	0.16	0.01	..
60-69	+1.95	1.67	+1.79	+1.62	0.03	0.02	0.14	0.06	0.01	..
70 +	+1.45	+1.57	+1.35	+1.40	0.02	0.05	0.09	+0.11	..	..
Total	+51.10	48.90	+39.94	39.82	1.42	1.43	+9.55	+7.47	0.17	0.16

(n = 206,683)

i. Narok

0-4	9.37	9.29	7.37	7.72	+0.41	+0.64	+1.60*	+0.93	..	..
5-9	8.02	8.08	5.87	5.89	+0.65	+0.66	+1.50	+1.53*	..	..
10-14	6.10	5.09*	4.72	3.71*	+0.33	+0.46	+1.05	+0.91	..*	..
15-19	+5.46	4.50*	3.66	2.90	+0.95*	+0.36	+0.84	+1.24	..	..
20-24	3.01	+4.34	1.88	2.37	+0.34	+0.36	0.79	+1.10	..	0.01
25-29	+3.25	+4.06	+2.09	2.80	0.24	+0.28	+0.89	+0.98	0.03	..
30-34	+2.62	+3.31*	+1.79	+2.62	0.19	0.17	+0.64	+0.52	..	..
35-39	+2.38	+2.84	1.23	+1.94	+0.25	+0.26	+0.90	+0.65*	0.01	..
40-49	3.27	+3.40	1.90	2.60	+0.24	0.20	+1.12	+0.60	..	..
50-59	+2.33	1.97	+1.82	1.32	0.05	+0.16	+0.47	+0.48*	..	0.02
60-69	+2.03*	+1.92*	+1.76	+1.23	0.05	0.03	+0.22	+0.59**	..	..
70 +	+1.64	+1.74*	+1.07	0.88	+0.11	+0.18	+0.40**	+0.67*	+0.05	0.01
Total	49.48	+50.53	35.17	36.46	+3.80	+3.81	+10.41	+10.20	0.10	0.06

(n = 125,203)

Table 22. Contd.

j. Samburu

	total		Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	8.54	8.87	8.22	8.42	0.08	0.05	0.20	0.03*	..	+0.15*
5-9	7.67	7.47	+7.33	+7.05	0.10	0.08	0.24	..	..	+0.18
10-14	+7.17	+6.30	+7.16	+6.19	0.02	0.04	0.19	..	..	+0.14*
15-19	+6.17	4.07**	+6.20*	3.89	0.06	0.07	0.15	..	..	+0.15*
20-24	+4.40	3.47*	+4.08*	+3.15	0.04	0.04	0.24	..	..	+0.36
25-29	2.78	+4.49*	+2.21	+4.22	0.06	0.09	0.17	..	..	+0.44*
30-34	+2.75	+3.79**	+2.41*	+3.62*	0.06	0.02	0.13	0.02	..	+0.25*
35-39	+2.56	+3.32*	+2.17*	+3.18*	0.10	0.03	0.16	..	..	+0.26*
40-49	+3.95	+3.63	+3.39*	+3.44	0.03	0.04	0.09	0.03	0.01	+0.43*
50-59	+2.76*	1.77	+2.34	1.52	0.11	0.03	0.13	0.03	..	+0.33**
60-69	1.50	1.39	1.24	+1.30	+0.14	0.01	0.08	0.03	0.01	+0.12*
70 +	0.64	0.58*	0.54	0.49	..	..	+0.10	0.07	..	+0.05
Total	+50.87	49.13	+47.29	+46.47	0.79	0.49	1.89	0.21	0.02	+2.85*

(n = 63,332)

k. Trans Nzoia

0-4	+10.57	+10.59	+9.06	+8.76	+0.83*	+0.85*	0.56	+0.96	+0.11	0.02
5-9	+8.52	+8.53	4.97*	4.52*	+1.84*	+1.85	+1.28	+1.50	+0.43*	+0.67*
10-14	6.10	+6.17	3.15*	3.10*	+1.22*	+1.10	+1.64*	+1.73**	+0.09*	+0.25**
15-19	5.11	4.37*	2.01*	0.63**	+1.77**	+1.93*	+1.30	+1.59*	0.03	+0.23**
20-24	2.95	+4.26	0.63*	1.31*	+0.78*	+1.25**	+1.52	+1.56*	0.03	+0.15
25-29	+3.41	+4.11	0.51	0.75	+1.55**	+1.31**	+1.20	+1.75**	+0.15	+0.29*
30-34	+4.49*	2.00*	0.88*	0.79*	+0.76*	+0.50	+2.70**	+0.67	+0.16	0.05
35-39	+1.73	+3.17*	0.61*	0.47*	+0.68*	+1.16*	0.39	+1.51*	0.05	0.03
40-49	+4.43*	2.46*	0.65*	0.09**	+1.18**	+0.65*	+2.57*	+1.67**	0.07	0.06
50-59	+2.95*	1.22*	0.21**	0.07**	+0.96**	+0.32	+1.58**	+0.66*	+0.21	+0.16
60-69	+1.68	0.36**	.. *	.. **	+0.36*	+0.32	+0.68**	0.01	+0.64**	0.03
70 +	0.31*	0.47*	.. *	.. *	0.01	+0.19*	+0.29*	+0.13	0.02	+0.14**
Total	+52.30	47.70	22.69*	20.48**	+11.93**	+11.43**	+15.70*	+13.73*	+1.97	+2.06*

(n = 124,352)

l. Turkana

0-4	6.64**	5.41**	6.02*	4.71**	0.16	0.12	0.42	0.45	..	..
5-9	6.81**	5.74**	6.09	5.42*	+0.29*	0.06	0.34	0.29	..	..
10-14	+7.51	+7.29	+7.31	+7.06*	0.14	0.13	0.15	0.18	..	+0.07
15-19	+7.50**	+5.81**	+7.16**	+4.82	0.05	0.14	0.34	+0.67	+0.08	+0.07
20-24	+5.17	+5.27**	+3.21	+4.25*	+0.28	+0.36	+1.75	0.55	+0.07	+0.12
25-29	+3.32	+4.55*	+2.27	+3.68	0.17	0.12	0.53	0.54	+0.21	+0.24
30-34	+2.65	+3.00	+2.13	+2.84	0.10	..	0.34	..	0.03	0.06
35-39	+4.39**	+2.96*	+3.02**	+2.82*	+0.52	..	+0.59	0.14	+0.34*	+0.07
40-49	+4.59*	+3.64	+3.67*	+3.62	0.17	..	0.53	0.07	+0.17	..
50-59	1.95	1.77	1.52	1.71	0.06	..	0.29	..	0.06	+0.07
60-69	1.47	0.94	+1.33	0.96	..	..	0.06	..	+0.06	..
70 +	0.80	0.82	0.75	0.75	..	..	..	0.07	+0.06	..
Total	+52.79	47.21	+44.48	+42.63	1.93	0.92	5.33	2.96	+1.07	+0.68

(n = 151,481)

Table 22. Contd.

m. Uasin Gishu

	Total		Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	+9.38	+9.89	6.42*	6.36*	+1.15**	+1.01	+2.25**	+2.52**	+0.10	0.05*
5-9	8.09	+8.22	4.17**	4.61*	+1.48**	+1.21*	+2.35**	+2.31**	+0.12	+0.13
10-14	+6.58	5.62	3.17*	2.66*	+1.40**	+1.19**	+1.96**	+1.74**	+0.08	+0.06
15-19	4.98	4.86	2.17*	2.01*	+1.29*	+1.26**	+1.48	+1.52*	+0.06	+0.08
20-4	+4.00	4.13	1.10*	1.04**	+1.09*	+1.39**	+1.63*	+1.63*	+0.09	0.06
25-29	+4.10	+3.88	0.84*	0.84*	+1.43**	+1.49**	+1.69	+1.47*	0.06	+0.09
30-34	+3.31	+2.99	0.63*	0.61*	+1.12**	+1.25**	+1.41	+1.06*	+0.12	+0.07
35-39	+2.90	+2.53	0.49*	0.47*	+1.14**	+1.02**	+1.16	+0.95*	+0.09	+0.10
40-49	+4.06	2.48*	0.55*	0.31**	+1.65**	+1.10**	+1.65*	+0.99*	+0.16	+0.10
50-59	2.08	1.53*	0.21**	0.10**	+0.71*	+0.82**	+1.02*	+0.57*	+0.13	0.05
60-69	1.42	0.95*	0.05*	0.07*	+0.66**	+0.50*	+0.64*	+0.33*	+0.07	+0.06
70 +	0.88	0.66	0.05*	0.06*	+0.45**	+0.37*	+0.35**	+0.23	0.03	..
Total	+52.26	47.74	19.85*	19.14**	+13.75**	+12.60**	+17.59*	+15.32*	+1.10	+0.84

(n = 190,025)

n. West Pokot

0-4	9.25	9.50	+8.91	+9.07	0.22	+0.28	0.10	0.10	0.04	+0.06
5-9	+8.74	+8.24	+8.31	+7.80	0.25	+0.28	0.15	0.11	0.03	+0.06
10-14	6.07	5.75	+5.70	+5.43	0.20	0.18	0.12	0.10	+0.05	+0.05
15-19	4.78	4.89	+4.40	+4.47	0.22	0.21	0.14	0.18	0.02	0.03
20-24	3.40	+4.87*	+3.06	+4.42*	0.14	+0.25	0.16	0.15	0.04	0.04
25-29	+3.20	+4.63*	+2.73	+4.06	0.25	+0.36	0.20	0.16	0.02	0.06
30-34	2.41	+2.75	+1.98	+2.45	+0.24	0.15	0.16	0.13	0.03	0.03
35-39	+2.55	+2.72	+2.23*	+2.34	+0.19	+0.22	0.13	0.10	0.01	0.04
40-49	+3.86	+3.47	+3.26	+3.12	+0.35	0.16	0.22	0.17	0.04	0.01
50-59	+2.48	+2.23	+2.21	+1.94	0.15	0.13	0.07	0.10	0.04	+0.06
60-69	1.48	1.10	1.31	0.98	0.07	0.09	0.08	0.07	0.02	0.06
70 +	0.85	0.82	0.74	0.75	0.03	0.05	0.03	0.02	..	..
Total	49.06	+50.94	+44.88	+46.73	2.29	2.34	1.55	1.38	0.33	0.50

(n = 82,309)

The pattern of migration corresponds to the availability of education opportunities available in Rift Valley Province. For the total Province the availability of primary and secondary opportunities is below average in all cases. Also, the ability to attract people over 25 years who have formal education is below average. But, the extent of the above average proportions without formal education (or not stated) is less than one standard deviation from the national average. This average for the Province represents the middle between the two extremes evident in the Province. The three most important receiving districts, Uasin Gishu, Nakuru and Trans Nzoia, have above average availability of education opportunities and they hold (and possibly attract) an above average member of the educated. The alternative extreme is districts such as Baringo, Samburu and Turkana where the proportion with formal education in the three age groups is significantly below average in many



Table 23. The Percentage Distribution of the Level of Education Completed in Different age Groups in Rift Valley Province.

a. Total		A G E							
Total		0 - 14		15 - 24		25 and Over			
Education	Male	Female	Male	Female	Male	Female	Male	Female	
None <sup>1</sup>	+37.81	+41.33	+20.32	+20.40	+4.21	+6.14	+12.98	14.54	
Std 1-4	6.42	4.33	3.26	2.59	1.43	1.09	1.73	0.66	
Std 5-8	6.21	2.62	0.66	0.41	3.03	1.66	2.52	0.54*	
Form I,II	0.84	0.24	0.01	..	0.44	0.17	0.39	0.07	
Form III,IV	0.41	0.12	..	..	0.20	0.06	0.21	0.05	
Form V+	0.17	0.07	..	..	0.03	0.02	0.15	0.05	
Total	+51.55	43.45	24.24	23.41	+9.35	+9.14	+17.97	15.90	
b. Baringo									
Education									
None <sup>1</sup>	+44.01*	+47.61*	+22.90*	+22.21*	+5.86	+7.84*	+15.26	+17.55	
Std 1-4	3.56*	1.40*	1.68*	0.90*	1.02	0.39*	0.86*	0.11*	
Std 5-8	1.92*	0.89*	0.14*	0.18	1.09*	0.55*	0.69*	0.16	
Form I,II	0.33*	0.03*	..	..	0.25*	0.03*	0.08	..	
Form III,IV	0.13	0.01	..	..	0.08	..	0.05*	0.01	
Form V+	0.06	0.05	..	..	0.02	0.03	0.04	0.03	
Total	50.01	+49.99	+24.72	23.29	8.31	8.84	+16.97	+17.86	
c. Elgeyo-Marakwet									
Education									
None <sup>1</sup>	+40.12	+40.35	+20.32	19.16	+5.37	+5.35	+14.43	+15.85	
Std 1-4	4.11*	+ 8.04	2.51	2.83	0.81*	+2.35*	0.79*	0.86	
Std 5-8	5.93	2.08	0.63	0.22	2.68	1.55	2.51	0.31	
Form I,II	0.74	0.15	..	..	0.47	0.04*	0.27	+0.12	
Form III,IV	0.29	0.02	..	..	0.13	0.01	0.16	0.01	
Form V+	0.12	0.08	..	..	0.01	0.02	0.11	0.05	
Total	+51.20	43.72	23.47	22.22	+9.46	+9.32	+18.28	+17.19	
d. Kericho									
Education									
None <sup>1</sup>	+40.12	+43.91	+20.32	+9.94	+5.37	+7.68*	+14.43	+16.30	
Std 1-4	4.11*	2.58	2.51	1.53	0.81*	0.64	0.79*	0.42	
Std 5-8	5.93	2.07	0.63	0.34	2.68	1.20	2.51	0.53	
Form I,II	0.74	0.12	..	0.01	0.47	0.08	0.27	0.03	
Form III,IV	0.29	0.10	..	..	0.13	0.06	0.16	0.04	
Form V+	0.12	0.02	..	..	0.01	..	0.11	0.02	
Total	+51.20	43.80	23.47	21.82	+9.46	+9.66	+18.28	+17.32	
e. Kericho									
Education									
None <sup>1</sup>	+34.93	40.27	+20.68	+21.76	+3.21	+6.04	+11.04	12.47	
Std 1-4	+ 7.60	4.69	+ 4.21	3.29	+1.69	.93	1.71	0.47	
Std 5-8	+ 7.08	3.13	+ 0.88	+ 0.61	+3.73	1.91	2.97	0.61	
Form I,II	0.88	0.19	..	..	0.54	0.16	0.34	0.03	
Form III,IV	0.46	0.07	..	..	0.21	0.05	0.25	0.03	
Form V+	0.13	0.03	..	..	..	..	0.16	0.03	
Total	+51.62	40.39	+25.76	+25.66	+9.38	9.09	16.47	13.64*	

Table 23. Contd.

f. Laikipia		A G E						
Total		0 - 15		15 - 24		25 and Over		
Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+36.33	34.93	18.92	18.72	+4.73	4.37	+12.68	11.85
Std 1-4	6.92	+6.95	3.62	+4.38	1.02	+1.36	+ 2.28	+1.21
Std 5-8	+ 7.53	+4.52	+ .87	0.46	3.18	+2.65	+ 3.48	+1.41
Form I,II	1.08	0.28	+ .04*	0.01	0.48	0.17	+ 0.57	+0.11
Form III,IV	0.53	+0.37	..	..	0.32	+0.19	0.21	+0.18
Form V+	+ 0.28	+0.27*	..	..	+0.09	+0.17* <sup>2</sup>	0.19	+0.10
Total	+52.68	47.32	23.45	23.56	+9.82	8.90	+19.41	14.85
g. Nakuru								
Education								
None <sup>1</sup>	31.64	36.28	19.11	19.72	2.05	4.52	10.48	12.04
Std 1-4	+8.97	+6.00	+4.23	3.28	+1.64	+1.41	+3.11*	+1.30
Std 5-8	+9.68	+4.02	+0.86	+0.60	+4.36	+2.34	+4.45	+1.09
Form I,II	+1.41	+0.41	+0.02	+0.01	+0.81	+0.29	+0.58	+0.11
Form III,IV	+0.91	+0.26	..	..	+0.48	+0.15	+0.42	+0.11
Form V+	+0.31	+0.12	..	..	0.06	0.02	+0.25	+0.10
Total	+52.92	47.09	24.23	23.62	+9.39	8.73	+19.29	14.74
h. Nandi								
Education								
None <sup>1</sup>	+36.92	+41.62	+19.78	+20.23	+3.14	+5.73	+14.00	+15.65
Std 1-4	7.29	4.67	3.40	2.36	+1.62	+1.51	+ 2.28	0.80
Std 5-8	6.01	2.40*	0.52	0.24	3.26	1.81	2.28	0.35
Form I,II	0.60	0.11	..	..	0.35	0.07	0.25	0.04
Form III,IV	0.16	0.05	..	..	0.07	0.03	0.09	0.02
Form V+	0.07	0.05	..	..	..	0.02	0.07	0.03
Total	+51.10	48.90	23.70	22.83	8.44	+9.17	+18.96	16.91
i. Narok								
Education								
None <sup>1</sup>	+39.47	+44.88	+20.64	+20.22	+4.80	+6.50	+14.03	+18.15
Std 1-4	4.86	3.44	2.25	1.87	1.10	0.92	1.51	0.65
Std 5-8	4.78	2.04	0.60	0.36	2.45	1.29	1.73	0.39
Form I,II	0.22*	0.13	..	..	0.08*	0.10	0.14	0.03
Form III,IV	0.13	0.01	..	..	0.04	..	0.09	..
Form V+	0.03	0.03	..	..	..	0.03	0.02	0.01
Total	49.48	+50.53	23.49	22.45	8.47	8.84	+17.52	+19.23
j. Samburu								
Education								
None <sup>1</sup>	+47.79*	+48.43*	+22.45*	+22.26*	+9.17*	+7.33	+16.17*	+18.85
Std 1-4	1.62*	0.41*	0.79*	0.28*	0.61*	0.12*	0.23*	0.01*
Std 5-8	1.14*	0.26*	0.14*	0.09*	0.64*	0.09*	0.35*	0.08*
Form I,II	0.10*	0.02*	..	..	0.04*	0.01*	0.06*	0.01
Form III,IV	0.13	..	..	..	0.09	..	0.04*	..
Form V+	0.10	..	..	..	0.02	..	0.08	..
Total	+50.87	49.13	23.37	22.63	+10.57	7.54* <sup>2</sup>	+16.93	+18.96

Table 23. Contd.

k. Trans Nzoia								
Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+35.20	36.07	+20.53	+19.96	2.40	4.08	+12.27	12.04
Std 1-4	6.92	+7.09	3.33	+ 4.70	+1.62	+1.44	+ 1.97	0.95
Std 5-8	+ 7.69	3.53	+ 1.31*	+ 0.63	3.37	+2.42	3.00	0.48
Form I,II	+ 1.39	+0.67	0.01	0.01	0.32	+0.52*	+ 1.06*	+0.15
Form III,IV	0.33	0.20	..	..	0.23	+0.17	0.11	0.03
Form V+	+ 0.77*	+0.15	..	..	+0.13	0.01	+ 0.64*	+0.14
Total	+52.30	47.70	+25.18	+25.29	8.06	8.63	+19.05	13.78*
l. Turkana								
Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+45.58*	+45.01	19.29	17.94	+9.96* <sup>2</sup>	+9.84*	+16.33*	+17.23
Std 1-4	2.72*	0.74*	1.51*	0.50*	0.48*	0.18*	0.73*	0.06
Std 5-8	3.34*	0.95*	0.16*	..	1.80*	0.82*	1.39	0.12
Form I,II	0.81	0.30	..	..	0.36	0.18	+ 0.45	+ 0.12
Form III,IV	0.28	0.16	..	..	.07	..	0.21	0.16
Form V+	0.07	0.06	..	..	..	+0.05	.07	..
Total	+52.79	47.21	20.95*	18.44* <sup>2</sup>	+12.67*	+11.08* <sup>2</sup>	+19.17	+17.69
m. Uasin Gishu								
Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+33.45	37.21	18.85	19.43	2.46	4.81	+12.14	12.97
Std 1-4	+ 8.43	+ 6.09	+ 4.56	+ 3.63	+1.50	+1.47	+ 2.26	0.98
Std 5-8	+ 8.12	3.77	+ 1.12	+ 0.67	+3.73	2.29	+ 3.28	0.82
Form I,II	+ 1.25	+ 0.37	+ 0.02	0.01	+0.72	+0.26	+ 0.52	+ 0.10
Form III,IV	+ 0.79	0.22	..	..	+0.39	0.14	+ 0.40	0.09
Form V+	0.21	0.08	..	..	+0.08	0.02	0.14	0.06
Total	+52.26	47.74	24.55	23.74	8.98	8.99	+18.73	15.02
n. West Pokot								
Education	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	+43.55*	+48.63*	+22.58*	+22.61*	+6.10	+8.77*	+14.88*	+17.24
Std 1-4	2.62*	1.34*	1.24*	0.77*	0.81*	0.38*	0.56*	0.19*
Std 5-8	2.42*	0.84*	0.24*	0.10*	1.08*	0.55*	1.10*	0.18*
Form I,II	0.30*	0.08	..	..	0.16*	0.04*	0.14	0.04
Form III,IV	0.13	0.02	..	..	0.03	0.01	0.10	0.01
Form V+	0.04	0.05	..	..	..	0.02	0.03	0.03
Total	49.06	+50.94	24.06	23.48	8.19	+9.76	+16.82	+17.70

<sup>1</sup>These percentages include "not stated"

cases. Most of the other districts reflect the provincial average, with some exceptions such as Kericho, Laikipia and Nandi where primary education opportunities do appear to be available. Therefore, the movement among the less developed districts is primarily people with limited education seeking alternative farming opportunities. The districts with larger towns are obtaining some people with formal education, either from within their own borders or from other districts.

#### 8. Western Province

The inter-district movement from Western Province is primarily Kakamega District, which accounts for approximately two-thirds of the total out-migration from the districts of Western Province. Most of the limited out-migration from the other two districts is offset by the in-migration that occurs. Kakamega District receives just over one-third of the total in-migration in Western Province. The type of out-migration from the three districts differs as well. Approximately an equal number of males and females have left Bungoma and Busia Districts but the ratio of males to females is 1.4 to 1 for the out-migration from Kakamega District.

Almost one-half of the migration flow from Bungoma District goes to Trans Nzoia. (see Appendix D). Other important receiving areas are Nairobi, Uasin Gishu, and Turkana Districts. Kitale absorbs six percent of this flow to Trans Nzoia while Eldoret absorbs 22 percent of the flow into Uasin Gishu. Although the ratio of males to females is above unity for the flows to Nairobi and Kitale, the bulk of Bungoma's out-migration has the characteristics of more permanent re-settlement. Busia, in contrast, has a more diverse out-migration pattern. Even though the total number of males and females involved are similar, almost one-third of the females but only 11 percent of the males have gone to Kakamega District. In the other migration flows from Busia to Nairobi, Mombasa and Rift Valley Province - the sex-ratio favours the males. The only important flow where the number of females exceeds that of males is to Siaya District. Therefore, there appear to be at least three types of out-migration here: re-settlement to Kakamega and Siaya Districts, search for employment in the major urban centers and a large movement of females to Kakamega District. Approximately 45 percent of the out-migration from Kakamega District flows to the 11 most important urban centers in Kenya. Nairobi receives two-thirds of these rural-to-urban flows while the 9 smaller towns receive about one-quarter and Mombasa the remainder. Forty-six percent of the total outflow is to Rift Valley Province and the characteristics of these flows have been discussed in the section on Rift Valley Province. Only in the flows to Nandi, Trans Nzoia and Kisumu District do the number of females approach the number of males.

On the in-migration side, Nairobi is the dominant source, providing 65 per cent of the inflow for Bungoma and half of the inflow for Busia. The ratio of males to females is close to one, suggesting the movements are made-up of children, born in Nairobi. The only other major flows into Bungoma are from Trans Nzoia and Kakamega Districts. Half of the balance of the flow into Busia originates in the other two districts in Western Province, Siaya, Kisumu and Nakuru Districts, plus about ten percent from Nairobi. For all of these inflows the number of females is equal to or greater than the number of males.

Table 24. The Movement of Population to and from the Districts of Western Province  
(percent)

	Provinces								Total
	Nairobi	Central	Coast	Eastern	North Eastern	Nyanza	Rift Valley	Western	
a. Bungoma									
In-Migration									
-Male	62.1	6.3	0.3	1.0	1.3	4.0	13.5	11.5	100.0
-Female	66.0	6.1	0.3	0.8	1.0	1.8	11.1	12.9	100.0
-Total	64.1	6.2	0.3	0.9	1.1	2.9	12.3	12.2	100.0
Out-Migration									
-Male	9.3	1.9	4.3	1.5	0.2	5.1	70.3	7.4	100.0
-Female	7.2	1.5	2.7	0.6	0.1	5.0	72.0	10.9	100.0
-Total	8.3	1.7	3.4	1.1	0.2	5.1	71.1	9.1	100.0
b. Busia									
In-Migration									
-Male	51.9	4.6	0.5	0.1	0.9	13.6	3.2	25.2	100.0
-Female	49.0	3.2	0.3	0.2	0.4	18.5	2.0	26.4	100.0
-Total	50.3	3.8	0.4	0.2	0.6	16.4	2.5	25.8	100.0
Out-Migration									
-Male	22.9	2.4	20.8	1.3	0.4	21.0	16.2	15.0	100.0
-Female	14.0	0.7	12.1	0.7	0.0	25.6	11.2	35.7	100.0
-Total	18.5	1.6	16.6	1.0	0.2	23.2	13.8	25.1	100.0
c. Kakamega									
In-Migration									
-Male	9.5	12.9	4.9	0.6	3.5	26.6	19.5	22.5	100.0
-Female	9.9	8.5	2.6	0.8	1.4	27.7	16.5	32.6	100.0
-Total	9.8	10.4	3.5	0.7	2.3	27.2	17.7	28.4	100.0
Out-Migration									
-Male	32.3	3.5	6.2	1.2	0.1	8.2	46.0	2.5	100.0
-Female	26.4	2.6	5.2	0.9	0.0	14.7	45.2	5.0	100.0
-Total	29.9	3.0	5.8	1.1	0.1	10.9	45.7	3.5	100.0
Total									
In-Migration									
-Male	41.9	8.1	1.9	0.7	1.9	13.9	13.2	18.4	100.0
-Female	40.2	6.3	1.2	0.7	1.0	15.8	11.0	23.8	100.0
-Total	40.9	7.1	1.5	0.7	1.4	15.0	12.0	21.4	100.0
Out-Migration									
-Male	28.2	3.2	7.6	1.2	0.1	9.4	45.4	4.9	100.0
-Female	21.5	2.1	5.7	0.9	..	15.0	44.2	10.6	100.0
-Total	25.3	2.7	6.8	1.1	0.1	11.8	44.9	7.3	100.0

The age distribution for the districts of Western Province do not explicitly indicate the postulated inflow of children from Nairobi. In part

Table 25. The Percentage Distribution of the Age of the Population Enumerated in Western Province

a. Total		Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
Age	Total	Male	Female	Male	Female	Male	Female	Male	Female
0 - 4	+10.34 +10.29	+9.84	+9.76	0.07	0.06	0.39	0.42	0.05	+ 0.05
5 - 9	+ 8.64 + 8.62	+8.14	+8.10	0.06	0.06	0.37	0.41	0.06	0.04
10-14	+ 7.46 + 7.05	+7.11	+6.71	0.05	0.04	0.27	0.26	0.03	0.03
15-19	5.13 + 5.23	+4.84	+4.84	0.04	0.09	0.22	0.23	0.03	+ 0.06
20-24	3.29 3.80	+3.05	+3.44	0.05	0.11	0.17	0.20	0.03	0.05
25-29	2.10 3.28	1.92	+2.96	0.03	0.08	0.12	0.20	0.04	0.04
30-34	1.81 + 2.75	+1.67	+2.49	0.03	0.07	0.10	0.15	0.01	0.04
35-39	1.71 + 2.44	+1.55	+2.25	0.03	0.05	0.10	0.12	0.02	0.02
40-49	2.62 3.17	+2.43	+2.90	0.05	0.09	0.12	0.15	0.02	0.03
50-59	2.09 + 2.42	+1.95	+2.24	0.03	0.04	0.09	0.10	0.02	0.04
60-69	+ 1.84 + 1.70	+1.73	+1.53	0.02	0.04	0.05	0.09	0.03	0.03
70 +	+ 1.27 0.97	+1.18	0.89	0.02	0.01	0.05	0.05	0.02	0.02
Total	48.30 +51.70	+45.41	+48.13	0.46	0.74	2.05	2.39	0.37	0.45

(n = 1,325,805)

(n = 1,325,805)

b. Bungoma

0 - 4	+10.59	+10.35	+9.93*	+9.58	0.04	0.03	0.59	0.70	0.04	0.03
5 - 9	+8.76	+8.68	+8.06	+7.86	0.03	0.03	0.60	0.74	+0.07	0.04
10-14	+7.34	+7.30*	+6.75	+6.68	0.04	0.06	0.52	0.53	0.02	0.04
15-19	+5.38	+5.18	+4.90	+4.70	0.05	0.07	0.39	0.36	0.04	+0.05
20-24	+4.01	4.10	+3.55	+3.63	0.09	0.09	0.33	0.29	0.04	+0.08
25-29	2.50	3.01*	+2.14	2.58	0.05	0.07	0.28	0.30	0.04	-0.05
30-34	2.00	+2.75	+1.73	+2.39	0.03	0.05	0.22	0.27	0.02	0.04
35-39	1.86	2.07	+1.61	1.78	0.02	0.04	0.21	0.22	0.03	0.04
40-49	2.59	2.89	2.24	2.56	0.07	0.05	0.24	0.20	0.04	0.07
50-59	1.76*	2.07	1.51	1.81	0.03	0.03	0.18	0.12	0.04	+0.11
60-69	+1.64	1.36	+1.46	1.14	0.02	0.02	0.08	0.12	+0.08	+0.07
70 +	0.85	0.98	0.74	0.86	0.01	0.02	0.06	0.05	+0.04	+0.05
Total	49.27	+50.73	+44.64	+45.57	0.48	0.58	3.69	3.91	0.47	+0.67
									(n = 345,070)	

(n = 345,070)

c. Busia

[illegible]

(n = 199,311)

Table 25. Contd.

d. Kakamega			Born in same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0 - 4	+10.35	+10.35	+9.98*	+10.00	0.06	0.05	0.26	0.24	+0.05	+0.06
5 - 9	+ 8.65	+8.63	+8.29	+8.31	0.05	0.06	0.23	0.23	+0.07	0.03
10-14	+ 7.63*	+7.13*	+7.42*	+6.95*	0.04	0.02	0.13	0.13	0.03	0.02
15-19	+ 5.25	+5.43*	+5.07	+5.14	0.02	0.08	0.15	0.17	0.02	+0.06
20-24	3.12	3.64*	+2.98	+3.40	0.02	0.09	0.09	0.13	0.02	0.03
25-29	1.93*	3.23*	1.84	+3.01	0.01	0.07	0.04	0.12	0.05	0.02
30-34	1.64	2.59	1.54	+2.42	0.01	0.06	0.04	0.09	0.01	0.02
35-39	1.57	2.46	1.49	+2.35	0.02	0.05	0.05	0.06	0.02	0.01
40-49	2.52*	3.15	+2.43	+2.96	0.03	0.10	0.05	0.08	0.01	0.01
50-59	2.15	+2.49	+2.08	+2.38	0.03	0.04	0.02	0.06	0.02	0.01
60-69	+ 1.86	+1.78	+1.81	+1.67	0.02	0.04	0.02	0.05	0.01	0.01
70 +	+ 1.42	1.06	+1.36	+1.00	0.01	0.01	0.04	0.04	0.01	0.01
Total	48.08	+51.92	+46.32	+49.58	0.32	0.67	1.12	1.39	0.32	0.28
(n = 781,424)										

(n = 781,424)

this is explained by the limited role of in-migration in all three districts. All of the districts do have above average proportions of children and there is evidence of out-migration of both young adults and older people, especially in Kakamega District where the extent of the outflow is not offset by inflows of similar magnitudes.

Educational opportunities appear to be readily available in Bungoma and Kakamega Districts, but are limited to primary education only in Busia. As a result, the proportion without formal education is below average except for the age group 0 to 14 years. In part the above average numbers here reflect the high proportion of children in Western Province. The ability for the districts of the Province to keep their educated within the Province is limited, especially for Kakamega District. The extensive out-migration, especially of males, from Kakamega likely is related to the combination of education being received and an inability to obtain the type of employment within the district that pays a premium for the education.

Table 26. The Percentage Distribution of the Level of Education Completed in Different Age Group in Western Province

a. Total		A G E							
Total		0 - 15		15 - 24		25 and Over			
Education	Male	Female	Male	Female	Male	Female	Male	Female	
None <sup>1</sup>	30.73	38.18	+20.74	+20.93	1.89	3.81	8.11	13.45	
Std 1-4	+8.76	+7.83	+ 4.97	+ 4.33	+1.87	+1.69	+9.92	+1.81	
Std 5-8	7.09	+5.18	0.73	+ .69	+3.65	+3.18	2.71	+1.31	
Form I,II	1.14	+ .37	..	0.01	+ .76	+ .27	0.38	0.09	
Form III,IV	0.43	0.11	..	..	0.23	0.07	0.19	0.05	
Form V +	0.15	0.03	..	..	0.03	0.01	0.12	0.02	
Total	48.30	+51.70	+26.44	+25.95	8.42	9.03	13.43	16.72	
b. Bungoma									
Education									
None <sup>1</sup>	28.59	36.08	+20.31	+20.42	1.41	3.37	6.87*	12.29	
Std 1-4	+9.02	+8.39	+ 5.57	+15.18*	+1.78	+1.76	1.67	+1.46	
Std 5-8	+9.41	+5.74	+ .80	+ .73	+4.89	+3.75*	+3.72	+1.27	
Form I,II	+1.42	+ .37	..	..	+0.90	+0.31	+0.52	0.05	
Form III,IV	0.69	0.12	..	..	0.37	0.08	+0.32	0.04	
Form V +	0.14	0.03	..	..	0.04	0.01	0.10	0.02	
Total	49.27	+50.73	+26.68	+26.33	+9.39	+9.28	13.20*	15.13	
c. Busia									
Education									
None <sup>1</sup>	32.18	+43.80	+20.01	+20.93	1.83	+5.32	10.33	+17.55	
Std 1-4	+7.57	5.23	+ 4.45	3.20	1.46	1.06	1.66	0.97	
Std 5-8	6.24	3.22	+ 0.87	+ 0.61	2.33	1.85	2.54	0.76	
Form I,II	0.96	0.20	+ 0.01	0.01	0.61	0.12	0.35	0.07	
Form III,IV	0.36	0.10	..	..	0.21	0.08	0.15	0.01	
Form V +	0.15	0.01	..	..	0.03	..	0.12	..	
Total	47.46	+52.55	+25.35	+24.75	6.96*	8.44	15.15	+19.36	
d. Kakamega									
Education									
None <sup>1</sup>	31.31	37.67	+21.12	+21.15	2.11	3.61	8.08	12.91	
Std 1-4	+8.96	+8.25	+ 4.84	+ 4.24	+2.02	+1.82	+2.10	+2.18*	
Std 5-8	6.28	+5.44	.66	+ .70	3.31	+3.27	2.31	1.47	
Form I,II	1.07	+ .41	..	0.01	+ .73	+ .30	0.33	+0.11	
Form III,IV	0.33	0.11	..	..	0.18	0.05	0.15	0.06	
Form V +	0.15	0.04	..	..	0.02	0.02	0.13	0.02	
Total	48.08	+51.92	+26.62	+26.10	8.37	9.07	13.10	16.75	

<sup>1</sup>There percentages include "not stated".



### Summary

1. A comparison of the 1962 and the 1969 Census totals indicates rapid population growth in Kenya. The age distribution of Kenya's population (Table 1) indicates the rapid growth of the population is a fairly recent phenomenon. At the district level it becomes evident that not all districts are experiencing this rapid increase in natural population growth. Nairobi, Mombasa, Isiolo, Marsabit, Mandera, Wajir and Turkana have significantly below average numbers of children. For several districts, Isiolo, Marsabit, Garissa, Mandera, Wajir and Turkana, the number of children ages 0 to 4 years is actually less than the number 5 to 9 years. This indicates either a decline in the birth rate, an increase in the death rate, out-migration of very young children, or some combination of these three.

2. As a measure of important migration flows all inter-district movement in excess of 20,000 was noted. In order of importance they are: Nairobi to Kisii, Muranga to Nairobi, Kakamega to Nairobi, Nairobi to South Nyanza, Machakos to Nairobi, Nyeri to Nyandarua, Kiambu to Nairobi, Nairobi to Nyeri, Muranga to Kirinyaga, Nairobi to Kilifi, Nyeri to Nairobi, Kiambu to Nakuru, Kisumu to Nairobi, Nairobi to Uasin Gishu, Muranga to Kiambu, Kilifi to Mombasa, Muranga to Nakuru and Nairobi to Kiambu. Together these 18 flows account for 34 per cent of the total inter-district migration.

3. For most of the Provinces, other than Nairobi, the extent of the inter-district movement within the Province exceeds the magnitude of the in-flows from any other Province. The exceptions are the flows from Nairobi to Nyanza, and Western Provinces and the movement from Coast to North-Eastern Province. The latter is limited primarily to movement from Mombasa to Wajir District. Therefore, for rural-to-rural migration the largest single flows for each Province are all internal to the Province.

4. The available data indicates Coast Province is a fairly self-contained unit. Excluding the people born in Mombasa, almost all people born in Coast Province remain in the Province. The two exceptions are small flows to Nairobi and some movement from Taita District to Eastern Province. The very small flows to other Provinces may well be return migration to previous homelands.

5. There is evidence that people in northern Kenya (North-Eastern Province and the northern parts of Eastern and Rift Valley Provinces) form a similar self-contained unit. Movement from these districts is primarily to other districts within this northern area.

6. Rural-to-rural migration dominates the overall inter-district migration. Table 27 indicates the extent of the movement which flows into the

Table 27. The Proportion of the Out-Migrants from each Province Who Have Moved to the Major Urban Centers.

Province	Migration Destination							
	To Nairobi		To Mombasa		To Other Nine Towns*		Total to Urban	
	Male %	Female %	Male %	Female %	Male %	Female %	Male %	Female %
Nairobi			1.7	1.6	1.6	1.4	3.3	3.0
Nyanza	23.8	18.6	7.8	6.3	9.5	7.8	41.1	32.7
Western	28.2	21.5	6.1	4.8	11.2	10.1	45.5	36.4
Rift Valley	6.6	5.0	1.1	0.8	3.5	2.9	11.2	8.7
Central	30.6	21.3	2.8	1.7	5.7	4.8	39.1	27.8
Eastern	35.9	27.7	15.4	13.0	3.2	2.8	54.5	43.5
Coast	8.2	8.2	48.7	40.3	2.3	2.6	59.2	51.1
North Eastern	7.2	5.8	3.9	2.8	2.3	1.9	13.4	10.5
Total	20.8	14.4	7.9	5.6	5.5	4.6	34.2	24.6

\*These percentages exclude those born in the district in which the town is located.

11 urban centers with population in excess of 5,000. The 34 percent of the males and the 25 percent of the females flowing into the towns understates the rural-to-urban migration somewhat. First, movement from a district in which a town is located to that town is excluded from the calculations. Second, almost all of the substantial out-migration from Nairobi flows to rural areas. Excluding Nairobi as a migration source, 35 percent of the observed inter-district migration flows into these 11 urban centers. The extent of urban in-migration may well be a relatively recent phenomenon in which case the role of current rural-to-urban migration as a proportion of total migration may exceed the 35 percent evident in the Census.

7. There is evidence to support the hypothesis that large proportions of the substantial movement from Nairobi are children. These flows focus on several districts: Kisii, South Nyanza, Nyeri, Kilifi, Uasin Gishu, Kiambu and Bungoma. It is not possible to determine the relative importance of children sent home for child care and education versus children listed as born in Nairobi because the mother came to Nairobi for maternity care.

8. Throughout the paper an attempt has been made to divide the inter-district migration into two types: search for employment and permanent re-settlement. Approximately 31 percent of the total movement flows into urban centers, which primarily reflects search for employment. An additional 16 percent flows from Nairobi to rural areas and the bulk of this movement need not fit either of the two types of migration. Of the remaining rural-to-rural migration a significant number represent search for employment. For those flows that do conform with permanent re-settlement characteristics a certain proportion are children. Therefore, movement with the intent of permanent re-settlement is likely well below 50 percent of total inter-district labour migration. In western Kenya there are several flows where the number of females is considerably larger than the number of males. It was not possible to explain the nature of these flows within the framework of this paper.

9. There is considerable variation among districts in access to education. For Kenya 2.9 percent of the males and 5 percent of the females ages 15 to 24 years are listed as having no formal education. Thirteen districts plus Nairobi have below average proportions of both males and females in this age group without formal education. These districts are all of Central Province, Taita, Embu, Machakos, Nakuru, Trans Nzoia, Uasin Gishu, Bungoma and Kakamega. Only Nairobi and Mombasa have significantly above average proportions in the 25 years and older group who have at least five years of formal education. Several districts, Kiambu, Muranga, Nyeri and Trans Nzoia, do have significantly above average proportions of adults in some of the higher education categories. Therefore, only a few districts, outside of the two cities, can hold a significant number of adults with higher education.

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APPENDIX A

The Table of Standard Deviations for the Age Structure of Kenya's Population

Age	Total		Born in Same District		Born Elsewhere in the Province		Born Elsewhere in Kenya		Born Outside of Kenya	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0 - 4	1.31	1.53	1.31	1.60	0.32	0.47	0.69	0.72	0.07	0.07
5 - 9	0.74	0.84	1.49	1.38	0.49	0.60	0.78	0.75	0.09	0.13
10-14	1.03	0.98	1.70	1.56	0.51	0.44	0.58	0.58	0.04	0.07
15-19	0.83	0.41	1.44	1.23	0.53	0.48	0.85	0.73	0.14	0.09
20-24	1.25	0.47	1.14	0.98	0.45	0.48	1.32	0.84	0.13	0.11
25-29	1.13	0.47	0.79	1.10	0.53	0.45	1.16	0.68	0.17	0.16
30-34	0.94	0.48	0.72	0.87	0.37	0.34	0.95	0.38	0.18	0.13
35-39	0.82	0.48	0.64	0.76	0.36	0.31	0.76	0.36	0.15	0.12
40-49	0.80	0.59	0.97	1.14	0.47	0.37	0.97	0.49	0.23	0.18
50-59	0.37	0.62	0.74	0.85	0.34	0.28	0.50	0.26	0.19	0.12
60-69	0.37	0.45	0.67	0.59	0.21	0.23	0.25	0.17	0.13	0.08
70 +	0.59	0.53	0.59	0.53	0.16	0.21	0.11	0.16	0.06	0.05
Total	2.90	2.92	9.95	10.33	4.80	4.35	8.33	5.72	1.46	1.19

APPENDIX B

The Percentage Distribution of the Level of Education completed in Different Age Groups in Kenya

Education	Total		0 - 14		15 - 24		25 and over	
	Male	Female	Male	Female	Male	Female	Male	Female
None <sup>1</sup>	33.26	39.66	19.71	19.90	2.86	5.03	10.69	14.73
Std. 1 - 4	7.41	5.76	4.05	3.31	1.53	1.33	1.82	1.12
Std. 5 - 8	7.34	3.79	0.78	0.57	3.53	2.33	3.03	0.89
Form I,II	1.16	0.37	0.01	0.01	0.70	0.26	0.44	0.10
Form III,IV	0.70	0.23	..	..	0.38	0.14	0.32	0.09
Form V +	0.25	0.10	..	..	0.06	0.03	0.19	0.07
Total	50.10	49.90	24.56	23.79	9.06	9.11	16.48	16.99

<sup>1</sup>These percentages include "not stated".

APPENDIX B Contd.

The Table of Standard Deviations of the Percentage Distribution of the Level of Education completed in Different Age Groups in Kenya.

Education	A G E							
	Total		0 - 14		15 - 24		25 and Over	
	Male	Female	Male	Female	Male	Female	Male	Female
None	8.18	6.14	2.47	2.10	3.33	2.41	3.79	3.43
Std. 1 - 4	3.03	3.20	1.74	1.79	0.61	0.73	0.88	0.78
Std. 5 - 8	3.65	2.26	0.42	0.44	1.57	1.33	1.81	0.64
Form I,II	0.77	0.33	0.03	0.02	0.44	0.22	0.36	0.11
Form III,IV	0.87	0.39	..	..	0.44	0.23	0.26	0.17
Form V +	0.35	0.16	..	..	0.08	0.05	0.28	0.11
Total	2.90	3.08	2.14	2.54	1.89	0.67	3.21	2.56

APPENDIX C

The Percentage Distribution of the Sources of In-Migration for each District

1. Male

Birth place	Nairobi	Central	Kiambu	Kirinyaga	Muranga	Nyandarua	Nyeri
Nairobi		21.7	20.1	1.3	28.0	1.8	70.7
Central	39.3	51.1	34.2	88.0	51.5	74.9	12.0
Kiambu	10.7	9.3		1.6	34.5	17.3	3.3
Kirinyaga	2.1	0.9	1.1		2.1	0.3	1.5
Muranga	17.4	19.1	23.4	82.2		13.1	5.0
Nyandarua	0.3	2.1	4.1	0.2	4.4		2.1
Nyeri	8.9	15.9	5.3	3.7	8.0	44.2	
Coast	2.4	0.9	0.8	1.2	3.3	0.2	0.9
Kilifi	0.3	0.2	0.1	0.1	1.1	0.1	0.2
Kwale	0.1	0.1	..	..	0.5	..	0.1
Lamu	0.1	..	..	..	..	..	..
Mombasa	1.2	0.6	0.5	0.9	1.8	0.1	0.4
Taita	0.8	0.1	0.1	..	..	..	0.1
Tana River	0.1	..	..	0.1	..	..	..
Eastern	21.3	6.7	10.3	6.4	7.6	3.3	5.5
Embu	1.5	1.8	1.8	1.6	3.2	2.0	0.6
Isiolo	0.1	0.1	0.1	0.2	0.1	..	0.1
Kitui	4.1	0.7	1.1	1.0	0.7	0.1	0.7
Machakos	13.9	2.4	5.1	0.8	2.8	0.6	1.5
Marsabit	0.2	0.1	0.2	..	..	..	..
Meru	1.4	1.7	2.1	2.4	0.8	0.6	2.7
North-Eastern	0.3	0.1	0.2	..	0.4	0.1	0.1
Garissa	0.1	..	..	..	0.1	0.1	..
Mandera	0.1	0.1	0.1	..	0.1	..	0.1
Wajir	0.1	..	0.1	..	..	..	0.1
Nyanza	15.8	3.1	5.9	0.3	1.9	2.4	2.0
Kisii	1.1	0.6	0.9	..	0.1	0.9	0.4
Kisumu	6.8	1.2	2.5	0.3	1.0	0.7	0.8
Siaya	5.5	0.7	1.8	..	0.6	0.2	0.5
S. Nyanza	2.0	0.5	0.8	..	0.2	0.6	0.2

APPENDIX C Contd.

Birth place		Central	Kiambu	Kirinyaga	Muranga	Nyandarua	Nyeri
Rift Valley	4.3	14.0	23.2	2.1	6.5	16.3	7.0
Baringo	0.2	0.4	0.3	0.1	0.3	0.7	0.2
E. Marakwet	0.2	0.1	0.2	..	0.1	0.1	0.1
Kajiado	0.2	0.2	0.4	..	0.4	0.1	0.1
Kericho	1.0	1.2	1.8	0.5	0.8	0.2	0.3
Laikipia	0.2	3.8	1.3	1.1	0.8	4.7	3.4
Makuru	1.2	6.6	15.0	0.1	2.1	5.3	1.5
Nandi	0.3	0.5	0.8	0.1	0.1	0.7	0.3
Narok	0.1	0.2	0.5	..	..	0.2	0.1
Samburu	0.1	0.1	0.1	0.1	..	0.1	0.2
T. Nzoia	0.2	0.3	0.8	..	0.3	..	0.1
Turkana	0.1	0.1	0.1	..	..	0.2	0.1
U. Gishu	0.2	1.0	1.8	0.1	0.4	1.1	0.4
W. Pokot	0.1	..	..	..	..	..	..
Western	16.6	2.4	5.3	0.7	0.8	1.1	1.8
Bungoma	0.7	0.2	0.2	0.1	0.1	0.1	0.3
Busia	1.5	0.2	0.3	0.3	0.2	0.1	0.2
Kakamega	14.3	2.0	4.7	0.3	0.5	0.9	1.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Coast	Kilifi	Kwale	Lamu	Mombasa	Taita	Tana R.
Nairobi	15.8	64.0	14.8	3.3	3.2	4.3	..
Central	7.2	2.5	4.4	9.0	9.5	6.2	4.6
Kiambu	1.9	1.1	2.1	3.1	2.1	2.6	2.1
Kirinyaga	2.0	0.1	0.2	3.3	3.3	0.2	0.2
Muranga	1.9	0.9	1.3	0.2	2.4	2.2	1.2
Nyandarua	0.1	..	..	..	0.1	0.2	..
Nyeri	1.2	0.3	0.7	1.8	1.6	1.0	1.1
Coast	34.0	22.0	13.8	69.0	38.2	42.7	83.6
Kilifi	12.5	-	8.0	19.8	17.4	4.3	30.1
Kwale	6.7	8.3	-	2.7	8.2	4.8	0.6
Lamu	5.9	5.9	0.5	-	2.1	30.0	47.7
Mombasa	1.6	4.6	2.8	16.1	-	3.3	0.9
Taita	6.2	2.2	2.5	2.5	9.1	-	4.1
Tana R.	1.1	1.0	0.1	28.0	1.2	0.1	-
Eastern	22.5	3.3	48.9	5.6	24.0	21.2	3.6
Embu	0.6	0.1	0.3	0.2	0.9	0.4	..
Isiolo	0.1	0.1	..	0.1	..	0.2	..
Kitui	9.2	1.4	4.1	2.4	13.7	4.5	2.9
Machakos	11.2	1.5	43.4	1.3	7.4	15.9	0.6
Marsabit	0.2	..	0.5	0.5	0.1	0.1	..
Meru	1.2	0.3	0.6	0.8	1.9	0.1	0.2
North Eastern	0.6	0.6	1.1	1.8	0.4	1.3	0.5
Garissa	0.2	0.1	0.2	0.9	0.6	0.4	..
Mandera	0.2	0.1	..	..	..	..	..
Wajir		0.4	0.1	0.2	0.1	1.0	..
Nyanza	11.3	3.7	11.0	3.8	13.6	17.2	4.1
Kisii	0.7	0.4	1.0	0.5	0.5	1.3	2.9
Kisumu	5.4	1.4	5.3	1.1	6.9	6.7	..
Siaya	2.9	0.4	1.0	0.9	4.4	1.8	0.4
S. Nyanza	1.8	1.4	1.7	1.1	1.6	5.3	0.8

APPENDIX C contd.

Birth place	Coast	Kilifi	Kwale	Lamu	Mombasa	Taita	Tana R.
Rift Valley	1.8	1.8	1.5	3.6	1.8	2.4	2.0
Baringo	0.1	0.1	..	0.5	0.1	0.3	0.2
E. Marakwet	..	..	..	0.5	0.1	0.2	..
Kajiado	0.1	0.2	0.1	0.5	0.1	0.2	..
Kericho	0.2	0.2	0.1	0.6	0.3	0.3	0.4
Laikipia	0.1	..	0.1	0.1	0.1	0.2	..
Nakuru	0.4	0.2	0.2	0.6	0.5	..	..
Nandi	0.2	0.1	0.1	0.2	0.2	..	0.2
Narok	0.1	..	0.2	0.1	0.1	0.1	1.0
Samburu	..	..	0.1	..	0.1	..	..
T. Nzoia	0.1	0.2	0.2	0.1	0.1	0.2	..
Turkana	..	..	..	0.1	..	..	..
U. Gishu	0.4	0.8	0.2	0.3	0.2	1.0	..
W. Pokot	..	..	..	..	..	..	0.2
Western	6.8	2.1	4.5	3.9	9.3	4.7	1.6
Bungoma	0.5	0.1	0.9	0.1	0.6	0.2	..
Busia	2.1	0.3	0.6	2.4	3.2	0.7	0.2
Kakamega	4.3	1.7	3.0	1.4	5.5	3.8	1.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Birth place	Eastern	Embu	Isiolo	Kitui	Machakos	Marsabit	Meru
Nairobi	5.0	3.7	1.2	6.3	7.0	8.3	1.7
Central	23.7	30.6	14.1	15.1	22.8	11.8	34.2
Kiambu	6.9	7.4	3.9	5.2	9.2	2.2	4.7
Kirinyaga	2.4	7.3	1.0	1.8	1.2	0.6	2.8
Muranga	7.5	9.1	2.1	6.1	9.2	4.5	6.5
Nyandarua	0.3	0.3	0.6	0.3	0.3	0.1	0.2
Nyeri	6.5	6.5	6.4	1.4	2.9	4.2	19.7
Coast	5.2	1.1	2.5	10.3	7.6	1.8	2.5
Kilifi	0.4	0.2	0.1	1.5	0.2	0.2	0.5
Kwale	0.3	..	1.2	0.4	0.3	0.4	0.1
Lamu	0.1	..	0.1	0.1	0.1	0.4	..
Mombasa	1.9	0.6	0.4	7.7	1.6	0.8	1.4
Taita	2.3	0.3	0.7	0.6	4.7	..	0.5
Tana R.	..	..	0.1	..	..	..	0.1
Eastern	47.7	57.4	47.1	56.3	44.9	35.4	44.0
Embu	6.7	-	1.2	6.0	3.8	1.5	26.7
Isiolo	1.4	0.5	-	..	0.8	15.9	1.8
Kitui	15.6	10.3	0.8	-	30.0	1.2	5.6
Machakos	9.4	24.1	3.8	41.6	-	2.9	5.9
Marsabit	1.8	0.2	14.3	1.1	0.1	-	0.5
Meru	11.7	22.2	26.9	7.1	9.1	13.8	-
North Eastern	3.4	0.3	16.0	1.0	0.7	20.7	2.1
Garissa	0.6	0.2	2.7	0.4	0.1	1.9	0.9
Mandera	0.7	..	3.4	..	0.1	7.6	..
Wajir	1.6	0.1	8.9	0.3	0.1	11.0	0.3
Nyanza	5.0	2.7	3.6	3.4	6.5	2.5	5.8
Kisii	1.1	0.6	1.0	1.1	0.4	1.2	3.5
Kisumu	2.2	1.4	1.9	1.2	3.3	0.1	1.2
Siaya	1.1	0.3	0.7	0.6	1.8	0.8	0.6
S. Nyanza	0.5	0.4	0.1	0.6	0.8	0.3	0.3



## APPENDIX C Contd.

[illegible]

## APPENDIX C Contd.

[illegible]

## APPENDIX C Contd.

Birth place	Rift Valley	Baringo	E.Marakwet	Kajiado	Kericho	Laikipia	Nakuru	Nandi	Narok	Samburu	T.Nzoia
Nairobi	5.1	3.2	1.1	9.9	2.2	1.4	1.1	2.6	2.8	1.3	0.8
Central	25.1	26.8	11.8	44.9	13.8	32.1	42.2	14.9	53.6	12.2	3.0
Kiambu	11.0	6.4	5.1	33.6	6.4	2.7	16.8	6.5	27.7	0.6	1.7
Kirinyaga	0.4	0.7	0.1	1.3	0.1	1.8	0.4	0.1	0.3	0.2	..
Muranga	5.6	5.6	0.3	5.0	4.6	2.0	12.7	2.2	3.3	0.7	0.4
Nyandarua	1.5	4.7	..	0.4	0.8	3.1	2.7	1.0	3.5	0.6	..
Nyeri	6.2	8.2	0.6	4.5	1.8	21.5	9.5	4.7	7.8	6.1	0.9
Coast	0.9	2.8	4.7	1.4	0.6	0.2	1.3	0.3	0.7	0.7	0.5
Kilifi	0.1	1.1	..	0.1	0.1	..	0.1	0.1	..	..	..
Kwale	0.1	..	..	..	..	..	0.1	..	0.3	0.1	..
Lamu	..	0.5	..	..	..	..	..	..	..	..	..
Mombasa	0.4	..	..	0.2	0.2	0.1	0.9	..	..	0.3	0.5
Taita	0.2	1.1	2.7	1.1	0.2	0.1	0.1	..	..	..	..
Tana R	..	..	..	..	..	..	0.1	0.1	..	0.2	..
Eastern	5.6	3.4	0.6	20.3	1.6	35.4	2.8	1.2	3.2	52.5	0.3
Embu	0.2	1.0	..	0.3	0.2	0.5	0.2	0.1	0.5	0.2	..
Isiolo	0.3	..	..	0.2	0.2	0.2	0.1	..	..	21.5	..
Kitui	0.3	0.1	..	1.3	0.1	0.6	0.3	0.2	0.3	0.8	..
Machakos	1.7	1.9	0.1	17.4	0.9	1.4	1.8	0.7	1.9	0.2	0.1
Marsabit	0.5	..	..	0.1	..	1.1	0.1	0.1	..	23.1	..
Meru	2.7	0.3	..	1.1	0.2	31.7	0.3	..	0.5	6.6	0.1
N.Eastern	0.4	0.6	2.2	0.5	..	0.7	0.2	0.2	0.2	7.6	..
Garissa	..	..	0.6	..	..	..	..	..	..	0.2	..
Mandera	0.1	0.3	..	0.3	..	0.3	..	..	..	2.2	..
Wajir	0.2	..	..	0.1	..	0.3	..	..	0.2	3.9	..
Nyanza	16.9	19.6	5.3	12.1	56.5	3.4	15.2	26.6	7.5	2.5	4.6
Kisii	4.9	14.1	1.1	1.0	18.2	0.7	3.1	9.5	6.3	0.9	0.5
Kisumu	6.2	5.1	1.6	8.4	19.8	2.0	5.9	12.3	0.7	0.4	2.7
Siaya	2.3	0.1	0.3	1.6	2.6	0.3	4.1	1.3	..	0.3	0.7
S.Nyanza	2.8	..	1.2	1.0	15.1	0.2	1.5	3.5	..	0.9	0.2
R.Valley	28.2	36.0	67.0	8.5	9.9	23.9	25.3	13.0	26.7	21.6	43.2
Baringo	2.1	-	28.9	..	0.5	1.3	3.9	0.7	0.5	0.1	0.1
E.Marakwet	3.8	2.7	-	0.5	0.1	0.3	0.6	0.7	0.4	0.2	0.2
Kajiado	0.3	..	0.6	-	0.1	0.2	0.3	..	2.4	0.7	..
Kericho	4.3	4.7	2.4	0.8	-	3.9	9.9	4.5	4.7	1.0	0.2
Laikipia	0.8	2.5	0.6	0.9	0.8	-	1.5	0.4	1.1	3.6	0.1
Nakuru	2.9	5.6	0.2	1.4	3.9	2.8	-	0.7	16.3	0.6	3.7
Nandi	5.3	1.9	5.9	0.8	2.4	1.4	1.7	-	0.8	0.5	14.3
Narok	1.5	..	4.3	3.1	1.2	1.3	3.3	0.1	-	4.0	..
Samburu	0.7	0.3	0.5	..	..	4.4	0.8	0.1	0.1	-	0.6
T. Nzoia	0.6	0.1	1.1	..	0.3	0.4	0.2	0.4	..	..	-
Turkana	3.9	4.7	2.0	..	0.1	4.8	1.6	2.1	0.1	10.1	21.0
U. Gishu	0.9	1.0	1.2	0.9	0.3	0.4	1.2	2.7	..	0.1	1.9
W.Pokot	0.8	12.5	15.3	..	0.1	1.5	0.1	0.5	0.2	..	1.3
Western	17.8	7.6	7.3	2.4	15.4	2.9	12.0	41.2	5.3	1.6	47.6
Bungoma	3.4	1.3	0.1	0.1	0.4	0.3	0.5	1.8	..	..	20.2
Busia	0.7	..	0.2	0.3	0.3	0.1	0.9	0.5	..	0.1	0.6
Kakamega	13.6	6.3	3.8	2.0	14.6	2.5	10.6	39.0	4.8	1.5	26.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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## APPENDIX C.2 Contd.

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## APPENDIX C.2 Cotd.

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## APPENDIX C.2 Contd.

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## APPENDIX C.2 Contd.

	Rift Valley	Baringo	Elgeyo Marakwet	Kajiado	Kericho	Laikipia	Nakuru	Nandi	Narok	Samburu
Nairobi	6.2	4.8	3.3	7.6	3.0	1.5	1.5	3.2	2.2	1.3
Central	30.0	34.6	18.5	52.6	19.0	52.7	49.4	16.4	60.5	5.9
Kiambu	14.1	6.6	8.9	44.3	9.4	5.2	20.8	7.7	48.0	0.7
Kirinyaga	0.4	0.2	3.6	0.7	0.1	3.1	0.3	..	0.1	0.5
Muranga	5.9	7.3	0.8	2.8	0.1	2.9	14.1	2.3	1.5	0.9
Nyandarua	1.5	10.9	..	0.7	1.2	2.7	2.9	0.9	1.8	0.7
Nyeri	7.5	6.5	0.8	3.8	1.8	36.7	11.3	5.0	8.3	2.8
Coast	0.6	5.0	0.8	1.3	0.4	0.2	1.1	0.5	0.1	0.6
Kilifi	0.1	2.4	..	..	0.2	..	0.1	0.1	..	0.1
Kwale	..	..	..	..	..	..	0.1	0.1	0.1	..
Lamu	..	1.8	..	..	..	..	..	..	..	..
Mombasa	0.3	..	..	0.6	0.1	0.2	0.8	0.2	..	0.3
Taita	0.1	0.9	0.7	0.6	..	..	0.1	..	..	0.1
Tana R.	..	..	..	..	..	..	..	0.1	..	0.1
Eastern	3.5	2.4	3.3	20.6	1.1	11.9	2.3	0.8	1.7	65.2
Embu	0.2	1.1	..	0.1	0.1	0.9	0.3	0.1	..	0.1
Isiolo	0.5	..	1.3	0.2	..	0.7	0.1	..	..	43.6
Kitui	0.1	..	..	1.0	0.1	0.3	0.2	0.1	..	0.1
Machakos	1.3	1.4	..	17.5	0.6	0.5	1.6	0.3	1.2	0.3
Marsabit	0.4	..	..	0.4	..	0.9	0.1	0.1	..	20.8
Meru	0.9	..	..	1.5	0.2	8.5	0.1	0.1	0.5	0.3
N.Eastern	0.5	0.1	1.3	0.6	0.1	0.8	0.1	0.4	1.1	2.6
Garissa	..	..	..	..	..	..	..	..	..	0.2
Mandera	0.6	..	..	..	..	0.7	0.1	0.2	..	0.6
Wajir	0.2	..	..	0.1	..	0.1	..	..	0.6	0.7
Nyanza	12.5	11.8	5.4	7.7	51.5	2.4	11.1	21.0	5.0	3.0
Kisii	3.7	6.9	0.7	0.5	19.8	0.2	2.2	7.6	4.8	0.7
Kisumu	4.7	3.2	2.3	5.1	16.6	1.5	4.4	9.4	0.2	0.9
Siaya	1.6	0.5	0.2	1.0	2.6	0.4	2.9	1.6	..	0.4
S.Nyanza	1.8	0.1	1.5	0.9	11.8	0.2	1.0	2.3	..	1.0
R. Valley	30.7	30.4	58.8	7.8	13.8	27.6	25.7	16.5	27.2	20.8
Baringo	2.0	..	20.2	..	0.3	1.3	4.1	0.9	0.4	..
E.Marakwet	4.1	1.1	..	1.0	0.2	0.1	0.3	1.2	..	0.1
Kajiado	0.3	..	0.8	..	0.1	..	0.1	0.1	3.0	0.5
Kericho	3.8	2.8	0.2	0.8	..	3.0	9.0	6.5	1.4	4.9
Laikipia	0.9	2.7	0.2	1.0	1.8	..	1.4	0.7	1.8	3.7
Nakuru	3.5	7.6	0.2	2.1	5.5	4.7	..	0.6	20.0	0.5
Nandi	7.0	1.9	6.2	0.4	3.5	2.5	2.1	..	0.3	1.0
Narok	1.6	1.4	2.1	2.0	1.2	1.7	4.3	0.2	..	3.6
Samburu	0.5	..	0.6	..	..	3.3	0.9	0.1	..	..
T. Nzoia	0.7	0.2	2.2	..	0.1	..	0.3	0.2	..	1.1
Turkana	3.7	9.5	0.5	..	..	7.9	1.6	1.3	0.4	5.3
U. Gishu	1.2	0.3	2.7	0.3	0.6	1.0	1.4	4.2	..	..
W. Pokot	0.9	3.0	21.0	..	0.2	..	..	0.6	0.3	..
Western	16.0	10.9	8.6	1.8	11.1	2.8	8.8	41.2	2.2	0.6
Bungoma	4.0	4.9	0.2	0.1	0.6	0.2	0.5	1.6	..	0.1
Busia	0.6	0.1	0.3	0.1	0.4	..	0.7	0.5	..	0.1
Kakamega	11.6	6.0	6.8	1.6	10.0	2.6	7.7	39.0	2.2	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



## APPENDIX C.2 Contd.

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## APPENDIX C Contd.

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1. Males

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## APPENDIX D. 1 Contd.

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## APPENDIX D.1 Contd.

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## APPENDIX D-1 Contd.

	North Eastern	Garissa	Mandera	Wajir	Nyanza	Kisii	Kisumu	Siaya	S.Nyanza
Nairobi	7.2	6.8	8.3	8.8	23.8	9.3	25.7	34.2	19.4
Central	3.1	3.1	3.2	1.7	3.6	4.0	3.6	3.5	3.5
Kiambu	1.2	0.4	1.6	1.1	2.1	1.8	2.2	2.6	1.7
Kirinyaga	..	..	..	..	..	..	0.1	..	..
Muranga	0.8	0.8	0.9	..	0.2	0.1	0.3	0.3	0.2
Nyandarua	0.8	1.7	0.1	..	0.8	1.7	0.6	0.2	1.3
Nyeri	0.4	0.3	0.5	0.6	0.4	0.4	0.4	0.4	0.3
Coast	10.1	12.9	2.4	11.5	11.1	3.8	13.5	11.6	11.5
Kilifi	1.7	0.9	1.1	3.9	0.7	0.4	0.7	0.3	1.6
Kwale	2.4	1.9	0.3	0.7	1.4	0.7	1.7	0.5	1.3
Lamu	0.2	0.5	..	0.1	..	..	..	..	0.1
Mombasa	3.9	7.5	1.0	2.9	7.8	1.7	10.0	10.3	6.1
Taita	1.6	2.0	..	4.0	1.2	0.5	1.1	0.5	2.3
Tana R.	0.3	..	..	..	0.1	0.5	..	0.1	0.1
Eastern	15.9	13.9	11.1	25.9	1.3	1.7	1.4	1.2	0.9
Embu	0.2	0.6	..	0.3	0.1	0.1	0.2	0.1	0.1
Isiolo	8.2	6.8	5.7	16.0	0.1	0.2	0.1	0.1	..
Kiambu	0.4	0.8	..	0.5	0.1	0.2	0.1	0.1	0.1
Machakos	1.4	0.9	0.3	0.7	0.7	0.3	1.0	0.9	0.6
Marsabit	4.1	1.8	5.0	7.6	..	0.1	..	..	..
Meru	1.6	3.1	..	0.8	0.3	0.9	0.1	0.1	0.1
N.Eastern	28.4	8.6	55.4	29.8	0.1	0.4	0.1	0.1	0.1
Garissa	1.2	..	1.6	2.6	..	..	..	..	..
Mandera	8.8	2.5	27.3	27.3	0.1	0.2	..	..	..
Wajir	18.4	6.1	53.8	..	0.1	0.1	..	..	0.1
Nyanza	10.2	21.9	2.4	0.2	18.9	16.6	17.6	21.4	21.6
Kisii	1.0	2.3	0.1	0.1	1.7	..	0.9	0.8	6.6
Kisumu	1.1	0.6	1.6	..	7.4	11.1	..	14.7	11.3
Siaya	4.3	17.4	..	..	2.6	0.6	4.6	..	3.8
S.Nyanza	3.8	1.7	0.7	..	7.2	4.8	12.1	6.0	..
R.Valley	16.9	3.9	16.9	21.9	37.9	62.9	35.4	21.0	41.2
Baringo	0.3	..	0.9	..	0.5	2.1	0.3	..	..
E. Marakwet	1.0	1.2	..	..	0.1	0.2	0.1	..	0.2
Kajiado	0.6	0.1	1.3	0.4	0.9	0.4	1.6	0.5	0.5
Kericho	0.1	0.2	0.2	..	16.5	30.5	14.6	3.1	28.6
Laikipia	2.0	0.3	2.8	3.3	0.5	0.7	0.8	0.2	0.2
Nakuru	2.1	0.5	1.4	1.1	9.1	10.7	9.0	10.1	5.8
Nandi	0.7	..	0.4	..	4.3	8.8	5.0	0.9	3.6
Narok	0.4	..	0.1	1.4	1.0	4.6	0.2	..	..
Samburu	2.2	0.3	2.1	3.9	..	0.1	..	..	0.1
T.Nzoia	0.3	0.6	..	0.2	1.1	0.7	1.7	0.7	0.3
Turkana	4.7	..	3.2	9.4	1.1	2.3	0.4	1.8	0.6
U. Gishu	2.3	0.4	4.5	2.1	2.7	1.9	1.6	3.6	1.3
W. Pokot	0.1	0.4	..	0.1	0.1	0.2	0.1	0.1	0.1
Western	8.2	28.9	0.3	0.2	3.3	1.3	2.7	7.0	1.8
Bungoma	2.4	5.1	..	..	0.4	..	0.5	0.6	0.3
Busia	0.8	3.1	..	..	0.7	..	0.4	2.5	..
Kakamega	5.0	20.7	0.3	0.2	2.1	..	1.9	3.9	1.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

## APPENDIX D.1 Contd.

	R.Valley	Baringo	E.Marakwet	Kajiado	Kericho	Laikipia	Nakuru	Nandi	Narok	Samburu
Nairobi	6.6	5.0	2.4	22.1	9.7	6.6	9.7	3.5	4.5	5.2
Central	16.7	7.3	1.5	16.8	9.2	54.6	42.6	4.3	6.6	6.3
Kiambu	8.5	1.5	0.6	10.7	4.2	8.5	29.7	2.0	4.2	2.1
Kirinyaga	0.3	0.3	..	..	0.5	3.0	0.1	0.1	..	0.7
Muranga	0.8	0.5	0.2	3.3	0.6	1.7	1.3	0.1	..	..
Nyandarua	5.7	4.3	0.5	1.6	3.5	29.2	10.0	1.8	1.9	1.5
Nyeri	1.4	0.7	0.2	1.3	0.4	12.2	1.6	0.4	0.5	1.9
Coast	1.9	1.4	0.5	5.9	1.6	1.3	2.0	1.1	2.4	1.9
Kilifi	0.3	0.3	..	2.0	0.2	0.1	0.2	0.1	..	..
Kwale	0.2	..	..	0.6	0.1	0.1	0.1	0.1	0.5	0.6
Lamu	..	0.1	..	0.2	..	..	..	..	..	..
Mombasa	1.1	0.7	0.3	2.4	1.1	0.9	1.6	0.9	0.9	1.3
Taita	0.2	0.4	0.1	0.8	0.1	0.2	..	..	0.2	..
Tana R.	0.1	0.1	..	..	0.1	..	..	..	0.7	..
Eastern	1.6	1.2	0.8	6.4	0.8	3.9	1.1	0.4	1.1	13.3
Embu	0.1	0.2	..	0.2	0.1	0.1	0.1	0.1	0.2	0.2
Isiolo	0.4	0.3	0.1	0.2	0.1	2.0	0.1	..	0.2	4.0
Kitui	0.1	..	..	0.5	..	0.6	0.1	..	..	0.7
Machakos	0.6	0.6	0.2	5.4	0.3	0.1	0.8	0.2	..	3.2
Marsabit	0.2	..	..	..	0.1	0.2	..	0.1	0.2	4.5
Meru	0.2	..	0.5	0.1	0.2	0.9	0.1	..	0.4	0.7
N.Eastern	0.4	0.2	1.9	0.5	0.2	0.1	0.4	0.2	0.4	1.6
Garissa	0.7	..	..	..	0.1	..	..	0.1	..	0.7
Mandera	0.1	0.1	0.1	0.5	..	..	..	..	0.4	0.3
Wajir	0.3	0.1	1.8	..	0.1	0.1	0.4	0.1	..	0.6
Nyanza	4.1	2.6	0.3	1.3	11.7	2.0	5.5	1.5	0.8	1.1
Kisii	1.0	0.4	..	0.1	4.4	0.1	0.8	0.1	0.5	0.3
Kisumu	1.0	0.5	0.2	0.5	1.7	0.1	1.7	1.2	0.1	0.9
Siaya	1.1	0.2	0.1	0.7	1.2	1.3	2.6	0.1	..	..
S.Nyanza	1.0	1.6	..	..	4.4	0.5	0.4	0.2	0.3	..
R.Valley	65.5	81.3	92.4	46.7	65.6	31.3	35.6	87.1	83.3	68.9
Baringo	1.0	..	0.7	..	0.8	1.2	0.8	0.4	..	0.4
E.Marakwet	1.7	12.5	..	1.0	0.4	0.3	..	1.1	2.7	0.6
Kajiado	0.7	..	0.4	..	0.4	1.3	0.6	0.4	5.8	0.1
Kericho	3.0	2.4	0.2	2.1	..	4.1	6.3	5.1	8.7	0.1
Laikipia	4.0	3.6	0.5	1.9	4.3	..	2.5	1.6	5.4	32.3
Nakuru	15.6	40.3	3.7	11.8	40.4	16.9	..	7.5	50.1	20.9
Nandi	2.2	2.1	1.2	..	4.9	1.1	0.6	..	0.5	1.0
Narok	3.5	1.0	0.6	21.6	4.1	2.6	11.5	0.7	..	0.4
Samburu	0.4	..	..	0.8	0.1	1.1	0.1	0.1	1.6	..
T.Moia	10.9	0.2	0.4	0.1	0.3	0.3	5.0	25.5	..	7.0
Turkana	2.2	0.1	..	5.7	2.8	0.5	1.8	1.3	5.5	3.4
U. Gishu	19.0	16.4	84.3	1.9	7.0	1.9	6.2	42.5	2.7	2.0
W. Pokot	1.4	2.6	0.3	..	0.3	0.1	0.3	1.0	0.3	0.8
Western	3.2	1.0	0.2	0.3	1.2	0.2	3.1	1.9	0.9	1.7
Bungoma	1.4	0.3	0.1	0.2	0.4	0.1	0.3	0.1	0.1	0.6
Busia	0.2	0.2	..	..	..	..	0.1	..	..	..
Kakamega	1.6	0.6	0.1	0.2	0.9	0.1	2.7	1.9	0.8	1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

## APPENDIX D.1 Contd.

	T.Nzoia	Turkana	U.Gishu	W.Pokot	Western	Bungoma	Busia	Kakamega	Kenya Total
Nairobi	7.1	1.5	7.5	4.9	28.2	9.3	22.9	32.3	20.8
Central	9.6	1.0	25.6	0.8	3.2	1.9	2.4	3.5	15.9
Kiambu	7.9	0.3	14.1	0.2	2.1	0.7	1.1	2.5	4.9
Kirinyaga	..	..	0.3	..	0.1	0.1	0.5	0.1	2.1
Muranga	0.8	..	1.0	0.1	0.1	0.1	0.2	0.1	1.6
Nyandarua	0.1	0.6	8.6	0.2	0.4	0.5	0.2	0.5	4.7
Nyeri	0.7	0.2	1.7	0.2	0.4	0.6	0.4	0.4	2.7
Coast	4.0	0.3	7.7	1.2	7.6	4.3	20.8	6.2	13.5
Kilifi	1.2	0.1	3.4	..	0.4	0.1	0.6	0.5	2.5
Kwale	0.6	..	0.6	..	0.6	1.0	0.7	0.6	1.7
Lamu	..	..	0.1	..	..	..	0.2	..	0.1
Mombasa	1.7	0.2	2.1	0.9	6.1	3.0	18.9	4.8	7.9
Taita	0.4	..	1.6	..	0.4	0.1	0.5	0.4	0.9
Tana R.	..	..	..	0.3	0.1	..	0.1	0.1	0.4
Eastern	1.8	2.2	0.8	1.8	1.2	1.5	1.3	1.2	3.7
Embu	..	0.1	0.1	0.4	0.1	..	0.1	0.1	0.6
Isiolo	0.3	0.6	..	0.2	0.1	0.1	0.2	0.1	0.4
Kitui	..	..	0.1	0.2	0.1	0.1	0.1	0.1	0.4
Machakos	1.3	0.8	0.6	0.6	0.7	0.9	0.7	0.6	1.6
Marsabit	..	0.5	..	..	..	..	..	..	0.2
Meru	0.1	0.3	..	0.5	0.2	0.4	0.1	0.2	0.6
N.Eastern	0.1	0.2	0.7	0.2	0.1	0.2	0.4	0.1	0.8
Garissa	..	0.1	..	..	0.1	0.1	0.3	..	0.2
Mandera	..	..	..	..	..	..	..	..	0.1
Wajir	0.1	0.1	0.7	0.2	0.1	0.1	0.1	0.1	0.5
Nyanza	4.9	0.1	3.1	1.8	9.4	5.1	21.0	8.2	11.0
Kisii	0.9	..	..	0.5	1.1	0.6	0.8	1.2	3.5
Kisumu	1.3	0.1	0.9	0.2	5.1	3.7	6.4	5.2	2.6
Siaya	2.5	..	1.6	0.4	2.4	0.5	13.8	1.1	1.2
S.Nyanza	0.3	..	0.6	0.7	0.7	0.3	0.1	0.8	3.7
Rift Valley	40.7	92.3	47.5	86.9	45.4	70.3	16.2	46.0	31.0
Baringo	0.1	1.3	0.6	14.7	0.2	0.3	..	0.2	0.4
E.Marakwet	0.8	0.5	0.7	17.7	0.2	..	0.1	0.1	0.3
Kajiado	..	..	1.5	..	0.2	0.1	0.3	0.2	1.0
Kericho	2.7	0.3	2.0	1.4	5.1	1.2	0.8	6.4	4.0
Laikipia	1.8	8.3	1.3	10.9	0.5	0.5	0.1	0.6	2.2
Nakuru	3.1	10.2	16.1	1.5	8.2	2.8	5.2	9.6	8.3
Nandi	1.8	3.7	9.8	3.6	7.5	2.6	0.7	9.4	2.2
Narok	0.1	0.1	0.1	1.2	0.8	..	0.1	0.9	1.8
Samburu	..	1.8	0.1	..	..	..	..	..	0.2
T. Nzoia		54.9	10.2	14.6	13.2	45.6	1.6	9.8	3.4
Turkana	9.5		4.2	4.5	1.6	6.4	2.5	0.8	1.1
U. Gishu	9.5	6.5		16.9	7.3	8.5	4.6	7.7	5.8
W. Pokot	11.5	4.7	1.2		0.5	2.2	0.3	0.2	0.3
Western	31.8	2.4	7.1	2.5	4.9	7.4	15.0	2.5	3.2
Bungoma	26.8	2.0	1.1	2.4	1.3		3.6	1.2	1.4
Busia	1.9	0.2	1.3	..	1.6	4.4		1.3	0.8
Kakamega	3.2	0.2	4.7	0.1	2.0	3.0	11.4		1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



## 2. Females

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## APPENDIX D.2 Contd.

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## APPENDIX D.2 Contd.

	Rift	Valley	Baringo	E.Marakwet	Kajiado	Kericho	Laikipia	Nakuru	Nandi	Narok	Samburu
Nairobi	5.0	3.1	1.1	17.7	6.3	4.6	7.8	2.1	2.7	4.5	
Central	19.7	10.9	1.5	22.4	11.2	55.5	46.6	3.6	6.7	5.8	
Kiambu	10.4	4.1	0.6	17.5	6.2	8.3	31.7	1.3	6.0	3.4	
Kirinyaga	0.4	0.3	..	..	0.4	2.9	0.2	..	..	..	
Muranga	1.0	0.2	0.2	2.1	0.4	1.2	1.8	..	..	0.6	
Nyandarua	6.3	5.6	0.6	1.9	3.6	29.8	10.7	2.1	0.1	0.8	
Nyeri	1.6	0.6	0.1	1.0	0.6	13.3	2.3	0.2	0.6	1.0	
Coast	1.2	0.4	0.2	3.5	1.2	0.8	1.7	1.0	1.6	1.7	
Kilifi	0.2	..	..	0.6	0.1	..	0.2	0.1	0.1	..	
Kwale	0.2	..	..	0.4	0.1	0.1	0.2	0.1	1.2	1.2	
Lamu	..	0.1	..	0.1	..	..	..	..	..	..	
Mombasa	0.8	0.3	0.1	1.1	0.9	0.7	1.2	0.7	0.2	0.6	
Taita	0.1	..	..	1.3	0.1	..	0.1	..	..	..	
Tana R.	..	..	..	..	..	..	..	..	..	..	
Eastern	1.0	0.4	0.2	3.9	0.8	3.4	0.7	0.3	0.2	8.3	
Embu	0.1	..	..	0.1	0.2	..	..	..	..	0.2	
Isiolo	0.4	..	..	0.5	..	3.2	0.1	0.1	..	4.8	
Kitui	0.1	0.1	..	0.2	0.2	..	0.1	..	..	..	
Machakos	0.3	0.3	0.1	2.3	0.4	0.1	0.3	0.1	..	..	
Marsabit	0.1	..	..	..	..	..	0.1	0.1	0.1	2.1	
Meru	0.1	..	0.1	0.9	0.1	0.1	0.1	0.1	0.1	1.2	
N.Eastern	0.2	..	1.5	0.7	0.1	..	0.1	..	..	..	
Garissa	..	..	..	..	0.1	..	..	..	..	..	
Mandera	..	..	..	..	..	..	..	..	..	..	
Wajir	0.2	..	1.5	0.7	..	..	0.1	0.1	..	..	
Nyanza	3.9	3.8	0.2	4.8	11.9	1.0	5.7	1.5	0.1	2.8	
Kisii	0.9	0.9	..	..	5.1	..	0.5	0.1	..	0.2	
Kisumu	0.8	0.4	0.2	0.3	1.6	0.4	1.1	1.0	0.1	2.6	
Siaya	1.3	..	..	4.5	1.4	0.4	3.6	0.3	..	..	
S.Nyanza	0.8	2.5	..	..	3.8	0.2	0.5	0.1	..	..	
R.Valley	65.2	80.3	95.1	45.7	66.5	34.5	33.9	89.8	88.2	75.6	
Baringo	0.6	..	0.2	..	0.4	0.9	0.6	0.2	0.7	..	
E.Marakwet	1.3	8.2	..	1.2	..	0.1	..	0.8	1.2	0.9	
Kajiado	0.5	..	0.7	..	0.4	1.2	0.7	0.2	3.7	..	
Kericho	2.9	1.4	0.5	1.8	..	6.6	5.4	4.5	6.9	..	
Laikipia	4.1	3.5	0.2	0.5	3.7	..	3.3	2.3	6.7	32.7	
Nakuru	14.7	44.0	2.1	6.0	42.4	14.1	..	7.1	64.6	33.3	
Nandi	2.5	2.5	2.0	1.1	8.2	1.7	0.4	..	0.6	0.7	
Narok	4.0	1.0	..	30.6	1.7	4.6	13.2	0.2	..	0.3	
Samburu	0.3	..	..	0.5	0.5	0.8	..	0.1	1.2	..	
T.Nzoia	11.8	0.2	0.1	0.2	0.3	1.2	4.8	28.2	0.1	0.1	
Turkana	1.2	..	..	..	0.7	0.1	0.7	1.4	..	4.9	
U. Gishu	19.8	16.7	88.1	3.8	7.9	3.3	4.6	43.6	2.3	2.0	
W. Pokot	1.6	2.9	1.2	..	0.4	..	0.2	1.2	0.2	0.9	
Western	3.8	1.1	0.2	1.3	2.0	0.2	3.5	1.7	0.5	1.3	
Bungoma	1.4	0.3	0.1	0.3	0.2	..	0.4	0.1	0.1	..	
Busia	0.2	..	..	..	..	0.2	0.1	..	..	..	
Kakamega	2.2	0.9	0.1	1.0	1.7	..	3.1	1.6	0.4	1.3	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

## APPENDIX D.2 Contd.

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